SATURDAY 25 JULY 2015

SAT 00:00 Midnight News (b062hbmj)

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

SAT 00:30 Book of the Week (b062n4n4)

On the Move

Ill Health and Love

The writer and physician Oliver Sacks finds love in today's episode of his candid memoir. First of all he confronts his own ill health and the effects on his eyesight which are disabling but also "enthralling".

Read by Oliver Ford Davies Abridged by Richard Hamilton Produced by Elizabeth Allard.

SAT 00:48 Shipping Forecast (b062hbml)

The latest shipping forecast.

SAT 01:00 Selection of BBC World Service Programmes

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

SAT 05:20 Shipping Forecast (b062hbmq)

The latest shipping forecast.

SAT 05:30 News Briefing (b062hbms)

The latest news from BBC Radio 4.

SAT 05:43 Prayer for the Day (b062n51g)

A spiritual comment and prayer to begin the day with Angela

SAT 05:45 iPM (b062n51j)

'It came as a complete and utter surpise'

"It came as a complete and utter surpise'. The story of the man accused and found not guilty of Elsie Frost's murder. Presented by Eddie Mair and Jennifer Tracey. Email iPM@bbc.co.uk.

SAT 06:00 News and Papers (b062hbmv)

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

SAT 06:04 Weather (b062hbmx)

The latest weather forecast

SAT 06:07 Open Country (b062n1f5)

The North Antrim Coast

Helen Mark takes to the seas to explore the North Antrim Coastline, taking in Giant's Causeway and Carrick-a-Rede from

She meets Robin Ruddock who teaches people to kayak along this coast and is joined by experts from Ulster Wildlife who tell her about the Living Seas project and the richness and diversity of marine life found in the waters off the North Antrim Coast.

Presenter: Helen Mark Producer: martin Povntz-Roberts.

SAT 06:30 Farming Today (b0631n32)

Coastal Harvest in Poole Harbour

Charlotte Smith dons her wellies to find out about the ovster beds in Poole Harbour, hearing about the issues shellfish producers face when rearing the coastal harvest.

Pete Miles of Dorset Oysters and Gary Wordsworth of Othniel Oysters are Charlotte's guides, as she visits a former ferry moored in the harbour, used to bring on and sort the growing

Marine biologist John Humphreys explains that research suggests that the Pacific oysters which have been used in Poole Harbour for 150 years are well suited to climate change, and that they increase bio-diversity in the bay.

Presented by Charlotte Smith and produced by Mark Smalley.

SAT 06:57 Weather (b062hbmz)

The latest weather forecast.

SAT 07:00 Today (b0631n34)

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

SAT 09:00 Saturday Live (b0631npx)

Jenny Eclair

Comedian and writer Jenny Eclair talks about her latest novel Moving, which taps into her obsession with motherhood and family secrets; whilst taking Jenny back to memories of being a life model and drama student in Manchester

Alan Gardner has won awards for his work and he's now starring in TV series The Autistic Gardener. Alan talks about making the show, his passion for plants and recent Asperger syndrome diagnosis.

JP Devlin visits the Marie Curie hospice in Solihull to talk to the terminally ill in-patients and day visitors

Listener Moira got in touch because she would like to be reunited with her childhood doll's house. She talks about why the house and its contents have such significance.

Christopher Green is an award-winning writer and performer. He was the first Artist in Residence at the British Library and his comic creations include US country music singer Tina C. Christopher talks about his alter egos and his interest in Hypnosis

Choreographer Matthew Bourne shares his Inheritance Tracks. He has chosen Julie Andrews singing The Sound of Music and Night and Day, sung by Ella Fitzgerald.

Producer: Claire Bartleet Editor: Karen Dalziel.

SAT 10:30 Will Gompertz Gets Creative (b0631npz)

Will Gompertz visits the Hole In The Wall Pottery Group in Emsworth in Hampshire and is joined by leading ceramicist Kate Malone and her former pupil Johnny Vegas for a special one-off masterclass in clay-born creativity.

If you are inspired to get involved in pottery - or indeed any other areas of artistic endeavour - there's lots to discover at the BBC's Get Creative website.

http://www.bbc.co.uk/arts/sections/get-creative

Producer: Clare Walker

SAT 11:00 The Week in Westminster (b0631nq1)

Steve Richards of The Independent takes soundings on political leadership. What's the challenge for Labour? And for the new LibDem leader? And what does the future hold for Boris Johnson?

The editor is Peter Mulligan.

SAT 11:30 From Our Own Correspondent (b062hbn1)

A Walk in the West Wing

Stories from reporters around the world. In this edition: summoned to the White House to talk to the president of the United States of America - but what was it like meeting one of the most powerful and important men in the world? After that interview, Mr Obama flew on to Kenya and we learn how the need for ever-greater security is just one of the factors which bind Kenya and the US together. While the rest of Greece is counting its money, we set sail for an island counting on its own history to see it through the current economic crisis. The house in the Pakistani city of Karachi offering hope and treatment to children suffering from drug addiction and, in many cases, years of neglect and abuse. And we make use of the sun and a mobile phone app as we hunt for a place to cross the Zambezi River in Africa.

SAT 12:00 News Summary (b062hbn3)

The latest national and international news from BBC Radio 4.

SAT 12:04 Money Box (b0631nq3) The Business of Buy-to-Let

Ruth Alexander presents a programme looking at the business of buy to let, and its financial impact for landlords and tenants.

Low interest rates and rising property prices have caused a buyto-let boom. The number of privately-rented households doubled in the last decade in England. There are now about fourand-a-half million. In the same period, buy-to-let mortgages have trebled.

But the Chancellor had a nasty surprise for landlords in his Budget. A tax change means you'll make ten per cent less from your buy-to-let in the future, if you are a higher rate taxpayer . That's according to the National Landlord's Association.

The programme speaks to a panel of experts

Victoria Whitlock, buy to let investor and writer of the Evening Standard's "Accidental Landlord" columns. Marie Parris, lettings agent and founder and CEO of George Ellis Property Services; Seb Klier from the group, Generation Rent, which campaigns on behalf of tenants; and Louise Oliver, a certified financial planner with Piercefield Oliver.

The programme also hears from landlords and tenants from different parts of the country.

SAT 12:30 The Now Show (b062n4ng) Series 46

Episode 4

Steve Punt and Hugh Dennis with Gemma Whelan, Jon Holmes and Mitch Benn present the week's news through stand-up and sketches. This week the cast are joined by Elis James and BBC Technology Correspondant Rory Cellan-Jones.

SAT 12:57 Weather (b062hbn5)

The latest weather forecast

SAT 13:00 News (b062hbn7)

The latest news from BBC Radio 4.

SAT 13:10 Any Questions? (b062n4ns)

Frank Field MP, Claire Fox, Robert Halfon MP, Michael

Jonathan Dimbleby presents political debate and discussion from Exeter Further Education College with a panel including the new Chair of the Work and Pensions Select Committee Frank Field MP, the founder and director of the think tank the Institute of Ideas, the Minister without Portfolio and Deputy Chairman of the Conservative Party, Robert Halfon MP, and the former Children's Laureate, writer and founder of Farms for City Children Michael Morpurgo.

SAT 14:00 Any Answers? (b0631r4w)

EU, Labour leadership, extremism

President Obama wants us to stay in the EU, and the PM is negotiating a better deal. So what will influence your vote and why?

Your views on the increasingly acrimonious Labour leadership contest.

Why you think so many of our young people leaving to join ISIS.

Presenter: Julian Worricker Producers: Maire Devine.

SAT 14:30 Drama (b0631r4v)

James Bond - Diamonds Are Forever

An all-star Ian Fleming James Bond adventure, directed by Martin Jarvis and starring Toby Stephens as 007.

Fleming's fourth Bond novel is especially dazzling. Its dark humour encompasses millions of pounds-worth of diamonds smuggled out of British mines in Africa. Responsible? Somebody known as 'ABC'. James Bond is sent undercover by MI6 to New York to follow the pipeline. Masquerading as a courier he meets enticing, ice-cold, Tiffany Case. She stands between Bond and gang-bosses whose criminal diamond business stretches from Sierra Leone, via London, to the gambling tables of Las Vegas.

Bond infiltrates the mob. Horse-racing scams, a car chase, a rigged card game, pursuit by locomotive - Bond and Tiffany endure all. Eventually flown to West Africa, Bond unmasks the

Archie Scottney's dramatisation parades a bizarre collection of mafiosi monsters

James Bond Toby Stephens 'M' John Standing Supt Harris Nigel Havers Rufus B. Save Alan Shearman Tiffany Case Lisa Dillon 'Shady' Tree Alex Jennings Felix Leiter Josh Stamberg

Ernie Cureo Stacy Keach Mr Spang Jared Harris . Kevin Daniels Sammy ... Rocky and Wint Andre Sogliuzzo Kidd and the Sergeant Darren Richardson Tingaling and Dentist Matthew Wolf Voice of Ian Fleming Martin Jarvis

Other parts played by members of the cast

Sound design: Mark Holden

Original music: Mark Holden and Michael Lopez

Director: Martin Jarvis Producer: Rosalind Ayres

A Jarvis & Ayres production for BBC Radio 4 first broadcast in

SAT 16:00 Woman's Hour (b0631r50)

Joely Richardson, Zanny Minton Beddoes, Depression and Menopause

Joely Richardson on her new film Maggie, a Zombie movie with a difference, where her on screen husband is played by Arnold Schwarzenegger.

Teenage aggression and physical abuse towards parents are rarely spoken about. We hear how one mother and daughter

Woman's Hour Power List, Influencer, Zanny Minton Beddoes is the first woman to edit the Economist in it's 172 year history. She tells us why Angela Merkel and Barack Obama are fans

Depression and menopause: how much are hormones to blame? We hear from gynaecologist, Professor John Studd and psychiatrist, Dr Pratibha Nirodi.

Women and insolvency. And Indian play-back singer, Kanika Kapoor.

Presented by Jenni Murray Produced by Rabeka Nurmahomed.

SAT 17:00 PM (b0631r52)

Saturday PM

Full coverage of the day's news.

SAT 17:30 The Bottom Line (b062n1fk)

Supermarkets

Food deflation, the rise of the discount grocers and continuing price wars. Evan Davis and guests discuss who are the longterm winners in the supermarkets' battle to gain market share.

Guests:

Mark Price, Managing Director, Waitrose Steve Murrells, CEO, Co-operative Foods Kevin Gunter, Chairman, Fulton's Foods

Sally Abrahams.

SAT 17:54 Shipping Forecast (b062hbn9)

The latest shipping forecast.

SAT 17:57 Weather (b062hbnc)

The latest weather forecast

SAT 18:00 Six O'Clock News (b062hbnf)

25/07/15: Obama warns Kenva about corruption

Obama warns Kenya on corruption and gay rights. Kurdish rebels say Turkey ceasefire over.

SAT 18:15 Loose Ends (b06385hw)

Scottee, Sophie Morgan, Pete Waterman, Patrick Gale, Alex Horne, Acholi Machon, Man & the Echo

Clive Anderson and Scottee are joined by Sophie Morgan, Patrick Gale, Pete Waterman and Alex Horne and for an eclectic mix of conversation, music and comedy. With music from Acholi Machon and Man & The Echo

Producer: Paula McGinley.

SAT 19:00 Profile (b06385hv)

Mhairi Black was yet to graduate when she was elected to the

House of Commons in May - the youngest Member of Parliament for over a century. She overturned a 16,000 majority and ousted the veteran Labour MP Douglas Alexander to win Paisley and Renfrewshire South for the SNP.

She's packed a lot in to the past few weeks: taking her seat in Parliament; sitting the final exam of her politics degree (dissertation subject: the rise of the SNP); attending her graduation ceremony; and making her maiden speech, in which she attacked the Conservative budget with the observation that she was the only 20-year-old in the whole of the UK who the Chancellor was prepared to help with housing support. The seven minute speech has been viewed online an astonishing 10 million times.

Mhairi Black emerged as a political starlet during the referendum campaign on Scottish independence in 2014. She caught the eye of the former SNP deputy leader Jim Sillars, who invited her to play a central role in the Yes Campaign, and who also advised her to stand for Parliament. She was expected to give Douglas Alexander a run for his money, but the real target was Holyrood in 2016.

Now she's at Westminster, where an eager press is watching her every move. Her candid teenage tweets have been exhumed and her eating habits have been put under the microscope (even her best friends worry about her appetite for chips and Irn Bru). And she'll have less time to use her Partick Thistle season ticket. But Mhairi Black has her sights set for the top, "She will be a significant leader of a left-wing position in Scottish politics," says Jim Sillars.

Presenter: Adam Fleming Producer: Tim Mansel.

SAT 19:15 Saturday Review (b06386cq)

Mack and Mabel, Inside Out, Life in Squares, An Account of the Great Auk, Alice Anderson

There's a revival of Mack + Mabel, starring Michael Ball at the Festival Theatre in Chichester. By the team behind Hello Dolly, it's a tale of the silent movie era as it began to fall apart. A flop on Broadway in 1974, how does the new production fare? Inside Out is the latest Pixar film. Set inside the head of an 11 year old girl some reviewer have praised it as the best children's film ever; will our reviewers agree?
Life in Squares on BBC2, is a drama about the glamorous,

bohemian world of the Bloomsbury Set and their complicated intertwining love lives and careers

Jessie Greengrass's debut work is a collection of short stories "An Account of the Decline of Great Auk, According to One Who Saw It". Is it a promising start?
The Wellcome Collection in London has an exhibition by Alice

Anderson - winding copper wire around everyday objects; does this process imbue them with a different significance?

SAT 20:00 Archive on 4 (b06386cs)

Shhhhhhh

Examining the nature of silence might not seem the most obvious thing to do on the radio, the medium most wholly given over to noise and which was in its day seen as a direct threat to the realm of silence in our personal and public lives

It might seem, too, that silence is a singular thing, an absence that offers little to any would-be investigation. But it's a subject that's fascinated Lucy Powell ever since she was set a koan by a Zen master, who asked her what the sound is before the bird

Now she sets out to answer that problem through an analysis of archive recordings from religious scholars, authors, comedians and poets, as well as conducting fresh interviews with the likes of conductor Edward Gardner, neuro-scientist Jan Schnupp and Buddhist nun Tenzin Palmo, who spent seven years on silent retreat in a Himalavan cave.

Lucy hears a freshly composed improvisation on the theme of silence from the classical duo 'Folie a Deux Femmes' and argues that in fact silence is a rich, multiple property that can vary dramatically depending on the context within which it is placed.

Producer: Geoff Bird Presenter: Lucy Powell

First broadcast on BBC Radio 4 in 2015.

SAT 21:00 Drama (b062htlc)

Tender Is the Night: A Romance

Between the First World War and the Wall Street Crash the French Riviera was the stylish place for wealthy Americans to

Among the most fashionable are psychoanalyst Dick Diver and his wife Nicole, who hold court at their villa. Into their circle comes Rosemary Hoyt, a young film star, who is instantly attracted to them, but understands little of the dark secrets that hold them together.

A beautiful and poignant novel about marriage, glamour and disintegration

Regarded by many as F Scott Fitzgerald's greatest book - dramatised by Robin Brooks.

Dick Diver Simon Harrison Nicole Diver Melody Grove Rosemary Kelly Burke Tommy Finn den Hertog Abe North Mark McDonnel McKisco Laurie Brown Violet/Baby Anita Vettesse Mother Anne Lacey Franz/Warren Nick Underwood Collis/Buddy Alasdair Hankinson Narrator Sam Dale

Director: Gaynor Macfarlane

First broadcast on BBC Radio 4 in July 2015.

SAT 22:00 News and Weather (b062hbnh)

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

SAT 22:15 Inside the Ethics Committee (b062mhnl) Series 11

Samantha is coping with the recent death of her mother. It's been a turbulent few years - drug binges in her teens, then

bulimia. She's now twenty two and is finding it difficult to cope. She's prescribed antidepressants but stops taking them when she's plagued by terrifying thoughts and images of killing herself. These persist and, over the coming months, she makes two serious suicide attempts and is admitted to hospital several

Samantha is detained under the Mental Health Act for her own safety and is diagnosed with borderline personality disorder. The recommended treatment is psychotherapy. She's also offered antidepressants but the team don't think she's overtly depressed.

Samantha refuses all treatment - she's terrified of antidepressants and doesn't want to talk

Three months on, she's discharged as the team don't think being in hospital is helping her. But her family believe it's the safest

When Samantha gets home she spends most of her time online on suicide chatrooms. The family monitor her activity and their concerns about her suicidal thoughts trigger further admissions to hospital.

However, the team are reluctant to keep her in hospital for long. They want to encourage her to take control of her life and engage with treatment, which she is still refusing. In contrast to most patients who are suicidal, Samantha seems to have the capacity to refuse treatment.

The senior psychiatrist on the team feels uneasy about the pattern that's emerging. He consults the clinical ethics committee to consider the best course of action. He also wants to know what constitutes capacity in this suicidal young woman.

Joan Bakewell and her panel discuss the issues

Producer: Beth Eastwood.

Photo credit: Chris McGrath/ Getty Images

SAT 23:00 Counterpoint (b062jy90) Series 29

Heat 7 2015

Music lovers from London and Surrey compete in the seventh heat of the 2015 series. Paul Gambaccini's questions range across all genres of music, from the classics to film and TV music, jazz, Broadway, rock and pop.

The winner goes through to the semi-finals in August and takes a crucial step nearer the 29th annual Counterpoint champion's crown.

Supported by bbc.co.uk/programmes/

Producer: Paul Bajoria.

SAT 23:30 Poetry in the Remaking (b062j06m)

Michael Rosen and Simon Armitage

Six poets re-read Ted Hughes' ground-breaking book about how to write poetry which began life in the 1960s as a series of BBC schools radio broadcasts. The programmes and chapters had titles like Capturing Animals, Meet My Folks, Moon Creatures, and Wind and Weather. Each is full of Ted Hughes' interests and energies. Not one mentions rhyme or metre. With Michael Rosen, Simon Armitage, Glyn Maxwell, Fiona Sampson, Jacob Sam-La Rose and Zaffar Kunial and archive readings from the original broadcasts by Ted Hughes.

Producer: Tim Dee.

SUNDAY 26 JULY 2015

SUN 00:00 Midnight News (b0638bpc)

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

SUN 00:30 Made in Bristol (b01g65h5) Series 2

Hood

A man walks through the city late at night. He hears footsteps, sees a figure behind him. It's dark, he's alone, and there's only one way this can end. Edson Burton has written a gripping atmospheric story that explores the power of sound to drive the

Edson Burton is a poet, playwright, performer, storyteller and historian who has written five plays for BBC radio. Last Autumn a theatrical staging of his first poetry collection, Seasoned, opened in Bristol on the same night as his new play, Raising Kamila.

Producer: Sara Davies.

SUN 00:48 Shipping Forecast (b0638bpf)

The latest shipping forecast.

SUN 01:00 Selection of BBC World Service Programmes

(b0638bph) BBC Radio 4 joins the BBC World Service. BBC Radio 4 resumes at 5.20am

SUN 05:20 Shipping Forecast (b0638bpk)

The latest shipping forecast.

SUN 05:30 News Briefing (b0638bpm)

The latest news from BBC Radio 4.

SUN 05:43 Bells on Sunday (b0638cv6)

Church bells from the church of St Eustachius in Tavistock, Devon

SUN 05:45 Profile (b06385hy)

[Repeat of broadcast at 19:00 on Saturday]

SUN 06:00 News Headlines (b0638bpp)

The latest national and international news

SUN 06:05 Something Understood (b0638fyq)

Away Being, Coming Home

Samira Ahmed explores understandings of 'home' and the experiences of young people leaving, desiring to leave and returning to their former dwelling places.

When the Beatles wrote their iconic song She's Leaving Home, they painted a picture of the post-war suburban house as a claustrophobic cage, trapping the free spirited young woman eager to make her way in the brave new world of 1960's Britain.

Decades later, the 'boomerang generation' abounds, as rapidly growing numbers of young adults return to the parental home due to economic or employment pressures. This situation can be emotionally and practically challenging for all the family.

The term 'home' implies much more than simply a building or a geographical location. It can also be a community, a family, an institution, a sense of emotional well being. Not all houses are a home to those who reside there.

Samira Ahmed considers 'home' and how writers and musicians have explored relationships between parents and children, at this pivotal point of leaving home. The title - Away Being, Coming Home - refers to a cross arts project in which young people, writers and musicians created work inspired by photographs of empty croft houses in the Hebrides, and the stories of their former inhabitants. The programme opens with a poem, Barren, a response to an image of one of these homes left

Includes music from The Beatles, Yo La Tengo, South African bassist and composer Benjamin Jephta and The Smiths. There's poetry from Tony Harrison, Cecil Day Lewis and Grace Nichols, and readings from L-Shaped Room by Lynne Reid Banks, and Jill by Phillip Larkin.

The readers are Rachel Atkins, Natasha Gordon and Peter

Producer: Lucy Dichmont

A Whistledown production for BBC Radio 4.

SUN 06:35 Living World (b0638fys)

The Stag Beetle Hunt

Chris Packham relives programmes from The Living World

When Living World presenter Lionel Kelleway was a boy, his exploration of the New Forest was enhanced by the sheet volume of stag beetles filling the air on warm summer evening; obeying that most ancient of urges to find a mate.

On a similar warm summer evening in 1999 Lionel returned to the New Forest where, in Denny Wood he joined forest manager Jonathon Spencer and ecologist Roger Key in search of Britain's largest terrestrial beetle, the stag beetle.

SUN 06:57 Weather (b0638bpr)

The latest weather forecast.

SUN 07:00 News and Papers (b0638bpt)

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

SUN 07:10 Sunday (b0638fyv)

A Special Edition Broadcast Live from East London Mosque

In the week in which David Cameron set out his 5 year plan to combat Islamist extremism. Edward Stourton asks what do Muslims in Britain think about the PM's proposals?

In a special programme from the East London Mosque, Salman Farsi takes Edward from the main prayer hall to the bee hives, to give him an insight into running a 21st century Mosque. On the way he visits it's archives, an historic collection which documents the history of one of the UK's oldest mosques.

Inter-faith dialogue used to be about theological debates between the 'religious elite.' Trevor Barnes reports on the Near Neighbours Programme which tries to build trust between communities in East London

Ed Kessler from the Woolf Institute and Dr Muhammad Abdul Bari from the East London Mosque discuss the effectiveness of the efforts made so far to break down barriers and build greater understanding between faiths.

We are out and about with community hero - Sister Christine Frost - a catholic nun who has spent the last 45 years living and working on a largely Bengali Muslim estate in Tower Hamlets.

Imam Yunus Dudhwala, head of Chaplaincy Services at Barts NHS Trust, explains why Muslims have to wait on average a year longer than non-Muslims for a transplant.

Producers David Cook Dan Tierney

Editor

Amanda Hancox

SUN 07:54 Radio 4 Appeal (b0638fyz)

The Encephalitis Society

Mathew Bose presents The Radio 4 Appeal for The Encephalitis Society Registered Charity No 1087843

- Freephone 0800 404 8144
- Freepost BBC Radio 4 Appeal, mark the back of the envelope 'The Encephalitis Society'.
- Cheques should be made payable to 'The Encephalitis Societ
- If you don't have a UK postcode, please donate directly

through your chosen charity's website.

SUN 07:57 Weather (b0638bpw)

The latest weather forecast.

SUN 08:00 News and Papers (b0638bpy)

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

SUN 08:10 Sunday Worship (b0638fz1)

The Whole of Life for Christ

Thousands gather in the Lake District town of Keswick to grapple with the challenge of living the whole of life for Christ (this year's Convention theme); including work, leisure, community, public and home life, and our responsibility to care for creation. Reading: 2 Corinthians Chapter 5. Preacher: Jonathan Lamb (Convention Chair); Music Director: Steve James. Producer: Katharine Longworth

SUN 08:48 A Point of View (b062n4nv)

Peter Aspden: In Love with Greece

Peter Aspden thinks the powerful influence of Greece, both ancient and modern, on European sensibilities makes the current economic crisis full of emotionally charged symbolism. "I often think that the hostility between Greece and its harshest current antagonist Germany, for example, is best seen as a furious tiff between former lovers.' Producer: Sheila Cook.

SUN 08:58 Tweet of the Day (b03thwdy)

White-fronted Goose

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

John Aitchison presents the white-fronted goose. Flocks of White-Fronted Geese return each year to their favourite wintering areas, the bogs and and saltmarshes of Ireland and the Severn Estuary as well as western Scotland, although smaller flocks are found elsewhere. John Aitchison recorded the musical yapping of white-fronted geese for Tweet listeners as they flew over his home in western Scotland.

SUN 09:00 Broadcasting House (b0638gpc)

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 (b0638gpj)

Please see daily episodes for a detailed synopsis.

SUN 11:15 Desert Island Discs (b0638gpq) Professor Monica Grady

Kirsty Young's castaway is Monica Grady, Professor of Planetary and Space Sciences at the Open University.

Well-known in scientific circles, at NASA and the European Space Agency, she came to the attention of the general public with her enthusiastic celebration when, as part of the Rosetta project, the probe Philae became the first-ever spacecraft to land on a comet - 67P - in November 2014. The spacecraft had taken ten years to journey through space and a decade was spent on the preparations.

She was born in 1958 in Leeds as the eldest of eight children. She studied chemistry and geology at Durham University and did her PhD on carbon in meteorites at Cambridge, where she worked closely with Professor Colin Pillinger on the Beagle 2 project to Mars. She first worked at the OU in 1983 before joining the Department of Mineralogy of the Natural History Museum, becoming Head of the Meteorites and Cosmic Mineralogy Division. She is married to Professor Ian Wright who is one of the lead scientists on the Rosetta cometary mission and they have one son. She was awarded a CBE in 2012 for services to space sciences and asteroid (4731) was named "Monicagrady" in her honour.

Producer: Cathy Drysdale.

SUN 12:00 News Summary (b0638bq0)

The latest national and international news from BBC Radio 4.

SUN 12:04 I'm Sorry I Haven't A Clue (b062jy98) Series 63

Episode 2

The 63rd series of Radio 4's multi award-winning antidote to panel games promises more homespun wireless entertainment for the young at heart. This week the programme pays a return visit to the White Rock Theatre in Hastings. Regulars Graeme Garden, Barry Cryer and Tim Brooke-Taylor are once again joined on the panel by Miles Jupp with Jack Dee in the chair At the piano - Colin Sell. Producer - Jon Naismith. It is a BBC Radio Comedy production.

SUN 12:32 The Food Programme (b0638gpx)

Scotland has a problem with food. For all the salmon, whisky and summer berries celebrated in this year of Scottish Food & Drink, the Government says its spending billions fighting an obesity crisis, and when it comes to groceries, the supermarket

But for the last five years, a small community run bakery on the Scottish borders has been quietly gaining momentum, aiming to change the way Scotland thinks about food, and more specifically, about bread.

In this programme, Sheila Dillon visits the family behind Breadshare, now based in Portobello in Edinburgh. In the city's first community run bakery, husband and wife team Debra Riddell and Geoff Crowe, along with their son and a host of bakers and volunteers, sell bread, made with simple ingredients. and teach people how to make it. Could involving local people be the key to reconnecting Scottish people with Scottish food?

Presented by Sheila Dillon and produced in Bristol by Clare Salisbury.

SUN 12:57 Weather (b0638bq2)

The latest weather forecast.

SUN 13:00 The World This Weekend (b0638h03)

Global news and analysis, presented by Shaun Ley.

SUN 13:30 In Search of the Black Mozart (b05wy63w)

Chi-chi Nwanoku has spent her career travelling and performing in concert halls the world over as the principal double bassist of the Orchestra of the Age of Enlighter More recently, she's been on a personal journey seeking out the lives and careers of black classical musicians from the eighteenth century who like her, played and composed music at the highest levels. In some cases, slivers of their lives are on record but you have to be quite determined to find out.

Chi-chi puts the record straight and with the help of some of the finest musical researchers around, she brings to the fore the music and lives of musicians like violinist/composer Joseph Emidy, virtuoso violinist George Bridgetower and composer Joseph Bologne, aka Chevalier de St-George who not only met Mozart in his lifetime, but who was known by all those who heard his music as the 'Black Mozart'.

In today's programme she explores the remarkable life of Chevalier de Saint-Georges, the son of a slave who ended up being one of the finest violinists, composers and swordsman in Europe. And he also led the first all black regiment during the French Revolution against the King, whilst teaching music to

Chi-chi also hears about the life of the child prodigy violinist George Bridgetower who delighted all who heard him included the Prince of Wales. He went on to play with Beethoven and inspire him to write one of the most difficult violin sonatas of

Producer: Sarah Taylor.

SUN 14:00 Gardeners' Ouestion Time (b062n4ni)

Eric Robson hosts the GOT Summer Garden Party from the National Botanic Garden of Wales.

Chris Beardshaw, Bob Flowerdew, Pippa Greenwood and Bunny Guinness answer questions from the marquee, Terry Walton provides the ultimate guide to running a greenhouse, and we listen in to some top tips from the Potting Shed.

Produced by Howard Shannon Assistant Producer: Hannah Newton

A Somethin' Else production for BBC Radio 4.

SUN 14:45 The Listening Project (b0649cm7)

Sunday Omnibus

Fi Glover with conversations about bravery in the line of fire, how drug addiction affects a relationship, and what kind of school a 9 year old with autism wants to go to. All 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

Producer: Marya Burgess.

SUN 15:00 Drama (b0638hpl)

Tender Is the Night: A Romance

Nicole Diver has had a breakdown and, together with her husband Dick, she flees Paris.

The events of the past are beginning to take a toll on their marriage and only one of them has the strength to survive.

A beautiful and poignant novel about marriage, glamour and disintegration. Regarded by many as F Scott Fitzgerald's greatest book - dramatised by Robin Brooks.

Dick Diver Simon Harrison Nicole Diver Melody Grove Rosemary Kelly Burke Tommy Finn den Hertog Swanson Laurie Brown Baby Anita Vettesse Kathe/Caroline Anne Lacev Franz/Warren Nick Underwood Collis Alasdair Hankinson Narrator Sam Dale

Director: Gaynor Macfarlane

First broadcast on BBC Radio 4 in July 2015.

SUN 16:00 Open Book (b0638hpn)

Virginia Baily - Early One Morning, Jacqueline Wilson on What Katy Did

Mega selling children's writer Jacqueline Wilson talks to Mariella Frostrup about her new book - an updated version of the classic, What Katy Did. The Victorian version is highly moral in its tone: the heroine learns to be kinder, nicer and even tidier after a terrible accident leaves her paralysed. Jacqueline Wilson talks about reinventing the story for modern readers while keeping the best of the original

Virginia Baily's new novel, Early One Morning, is set in Rome and shifts between the Second World War and the 1970s. It tells the story of Chiara, who rescues a young Jewish boy in 1943 and lives with the consequences of that moment for the rest of her life. Virginia discusses her love of Rome and the real life incident that inspired her story

Ideas Boxes are new portable libraries which are being sent to deprived areas around the world, we hear how it's working in the Bronx in New York, Finally an editor recommends a title - a new take on crime fiction - from a rival publishing house

SUN 16:30 Poetry in the Remaking (b0638j4n)

Jacob Sam-La Rose and Zaffar Kunia

Six poets re-read Ted Hughes' ground-breaking book about how to write poetry which began life in the 1960s as a series of BBC schools radio broadcasts. The programmes and chapters had titles like Capturing Animals, Meet My Folks, Moon Creatures, and Wind and Weather. Each is full of Ted Hughes' interests and energies. Not one mentions rhyme or metre. With Michael Rosen, Simon Armitage, Glyn Maxwell, Fiona Sampson, Jacob Sam-La Rose and Zaffar Kunial and archive readings from the original broadcasts by Ted Hughes. Producer: Tim Dee.

SUN 17:00 Should Extremism Be a Crime? (b062khlh)

John Ware investigates plans to counter the activities of those classed as non-violent extremists. Glorifying terrorism is

already a crime. In future, expressing views deemed contrary to British values could be illegal too. A new bill would allow police to impose prevention orders aimed at silencing those preach an extremist message. The law could be used to shut down the premises used to host such speakers. It is part of the "muscular liberal" approach set out by David Cameron in 2011 But does it risk compromising the liberal values it is designed to protect?

Producer: Chloe Hadjimatheou Reporter: John Ware

SUN 17:40 Profile (b06385hy)

[Repeat of broadcast at 19:00 on Saturday]

SUN 17:54 Shipping Forecast (b0638bq4)

The latest shipping forecast.

SUN 17:57 Weather (b0638bq6)

The latest weather forecast.

SUN 18:00 Six O'Clock News (b0638ba8)

26/07/15: Peer resigns after apparently taking drugs with

Peer filmed apparently taking drugs with prostitutes; Syrian army short of troops

SUN 18:15 Pick of the Week (b0638kgk)

Adrian Goldberg

Seeing is believing they say - but radio listeners might disagree. Over the last few days they'll have heard about an unheralded fossil that turned out to be proof of a four legged snake, a world famous neurologist confess to hallucinating while high on drugs and the musings of a laptop.

Listening IS believing - find out for yourself when Adrian Goldberg hosts Pick Of The Week this Sunday evening.

SUN 19:00 The Archers (b0638kgm)

Jennifer so enjoyed having Debbie and all her 'children' together - it's quiet now that Debbie has gone. Brian says Adam, Debbie and Charlie are all wrong about Adam's ideas for the farm. Jennifer warns Brian not to renege on his promise to Adam. However, Brian decides to get some professional advice on the business

Jolene and Kenton want to make the Bull a destination pub, so create a questionnaire for the locals. Eddie wants cheaper booze and food, thinking fondly of Freda's cottage pie. Brian suggests a top chef, as Kenton and Jolene say they plan to become more of a gastro pub. Brian recommends a nice place in Beckwell, where Alice and Chris are going for their anniversary.

Jennifer's pleased that Kate is getting serious with her busine plan for her retreats. Debbie may fund the start-up - Adam points out what a good motivator Debbie is. To Jennifer's horror, Adam says there's still a job for him in Hungary if Brian becomes too much. Jennifer felt there was a spark between Charlie and Debbie, but Adam plays down their compatibility Debbie's too good for him. Jennifer reminds Adam, that Charlie played a part in persuading Brian to back him. And although Brian's not happy, confident Adam knows that Brian can't back out now

SUN 19:15 Wordaholics (b01c7lk6)

Series 1 Episode 1

Wordaholics is the comedy panel game all about words.

Gyles Brandreth presides as Stephen Fry, Natalie Haynes,

Milton Jones and Lloyd Langford vie for supremacy in the ring. Wordaholics is clever, intelligent, witty and unexpected. There

are toponyms, abbreviations, euphemisms, old words, new words, cockney rhyming slang, Greek gobbledegook, plus the panellists' picks of the ugliest and the most beautiful words. Find out the meaning of words like giff-gaff, knock-knobbler

and buckfitches - the difference between French marbles. French velvet and the French ache - hear the glorious poetry of the English language, as practiced from writers varying from William Shakespeare to Vanilla Ice - and spend half an hour laughing and learning with some of the finest Wordaholics in the business

Writers: Jon Hunter and James Kettle

Producer: Claire Jones.

First broadcast on BBC Radio 4 in February 2012.

SUN 19:45 A Pocketful of Rye (b0638p8n)

A beautiful tale of a young girl who has been badly treated in the past and the result of that treatment is lying sick before her.

Believing that she has the secret to his recovery she decides it is time to make a claim on what is rightfully hers.

The final story in a series of three set in and around Rye in East Sussex

Written by Alison Fisher and read by Teresa Gallagher.

Producer: Celia de Wolff

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

SUN 20:00 Feedback (b062ndjt)

The Government has opened the public consultation period on the future of the BBC - but how much impact will your views have on their decision? The BBC Trust has also launched its own public consultation. Some Feedback listeners say they're confused about the process and what they're being consulted on. Roger Bolton sheds some light on the process.

For the last three weeks, Radio 4's One to One interview has featured Selina Scott looking at the world of ghostly apparitions. The series has drawn criticism from some listeners, who felt that a more scientific and challenging approach was needed. Series Producer Lucy Lunt discusses whether there is a place on Radio 4 for the spiritual and non-scientific.

Feedback about the quality of science reporting often appears in our inbox - some listeners cry 'oversimplification' and 'sensationalism'. But in this week's programme we hear from a listener with cautious praise for a Today Programme report on a possible link between tobacco and psychosis. Journalists dealing with health and science have to report in a world of competitive academia and commercial pharmaceuticals, with reports and studies vying for influence and publicity. Roger speaks to the BBC's Health Correspondent Jane Dreaper, to find out how she approaches reporting scientific research and potential medical breakthroughs.

And finally, Oasis songwriter Noel Gallagher sat down with Kirtsy Young to choose his Desert Island Discs this week. While some listeners thought that the Britpop Mancunian wasn't really Desert Island Discs material, many others praised the programme for revealing Gallagher's softer side.

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

SUN 20:30 Last Word (b062ndjr)

Scot Breithaupt, E. L. Doctorow, Claudia Alexander, Ron Pollard, Magali Noel

Matthew Bannister on space scientist Claudia Alexander, bookie Ron Pollard, author E.L. Doctorow, BMX pioneer Scot Breithaunt, actress Maeali Noel.

SUN 21:00 Money Box (b0631nq3)

[Repeat of broadcast at 12:04 on Saturday]

SUN 21:26 Radio 4 Appeal (b0638fyz)

[Repeat of broadcast at 07:54 today]

SUN 21:30 Analysis (b0630p11)

Free Movement: Britain's Burning EU debate

Freedom of movement will be a key battleground in Britain's crucial EU debate. It gives EU citizens the right to live and work anywhere in the union and is praised by supporters as boosting prosperity. But critics say it has created unsustainable waves of mass migration and must be restricted. So where does this policy actually come from, and what does it mean in practice? Sonia Sodha discovers why it has become such a crucial issue, and what's at stake as Britain decides its European future.

Producer: Chris Bowlby Editor: Hugh Levinson

(Photo credit: Getty Images)

SUN 22:00 Westminster Hour (b0638png)

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

SUN 22:45 What the Papers Say (b0638pnj)

Agnes Poirier analyses how the newspapers are covering the biggest stories.

SUN 23:00 The Film Programme (b062n1f7)

Robert Carlyle, Pete Docter on Inside Out, Joseph Losey

With Francine Stock

The Full Monty and Trainspotting star Robert Carlyle discusses the challenges of directing himself in The Legend Of Barney Thomson and reveals which part of the job made him want to stick a fork in his eye.

Up director and producer Pete Docter and Jonas Rivera delve into the mind of a 11 year old for their latest animation, Inside Out, and discuss the research they conducted into human emotions, and the surprising conclusions they came to.

Joseph Losey, the director of The Servant and Modesty Blaise, is remembered by his wife Patricia who tells Francine what it was like on board Richard Burton and Elizabeth Taylor's superyacht. 'Mes Annees Avec Joseph Losey' by Patricia Losey is available now, in French.

SUN 23:30 Something Understood (b0638fyq)

[Repeat of broadcast at 06:05 today]

MONDAY 27 JULY 2015

MON 00:00 Midnight News (b0638bs0)

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

MON 00:15 Thinking Allowed (b062kx4g)

The colour black, Mixed-race people

Black: the cultural and historical meaning of the darkest colour. From the 'little black dress' which epitomises chic, to its links to death, depression and evil, 'black' embodies many contrasting values. White Europeans exploited the negative associations of 'black' in enslaving millions of Africans whilst artists & designers have endlessly deployed the colour in their creative work. Laurie Taylor talks to John Harvey, Life Fellow of Emmanuel College, Cambridge, about his new book which explores how 'black' came to have such ambiguous and varied meanings. They're joined by Bidisha, the writer and broadcaster.

Also, the last 20 years has seen a major growth in the number of people of mixed racial heritage. Miri Song, Professor of Sociology at the University of Kent, talks about her research into the ways that multiracial parents with white partners talk to their their children about race and identity.

Producer: Jayne Egerton.

MON 00:45 Bells on Sunday (b0638cy6)

[Repeat of broadcast at 05:43 on Sunday]

MON 00:48 Shipping Forecast (b0638bs4)

The latest shipping forecast

MON 01:00 Selection of BBC World Service Programmes (b0638bs6)

BBC Radio 4 joins the BBC World Service.

MON 05:20 Shipping Forecast (b0638bs9)

The latest shipping forecast.

MON 05:30 News Briefing (b0638bsd) The latest news from BBC Radio 4.

The latest news from BBC Radio 4.

MON 05:43 Prayer for the Day (b0638ryb)

A spiritual comment and prayer to begin the day with Angela Graham.

MON 05:45 Farming Today (b0638ryd)

Farming Today

The French government is offering its farmers 600 million Euros in financial aid. Farmers there have been protesting about falling milk and meat prices - in flamboyant French style. They've blockaded motorways, tipped manure onto roads and even released pigs in supermarkets. Charlotte Smith asks why farmers here don't tend to adopt the same tactics, and talks to one farmer who is taking part in a more British style of protest.

He explains why, while stationary on his tractor on the A50 in Staffordshire.

The annual CLA Game Fair will take place this week at Harewood House near Leeds. It's all about hunting, shooting, fishing - and generally involves a lot of tweed. Charlotte asks the chairman of the Country Land and Business Association whether it's still relevant in the 21st century.

Presented by Charlotte Smith and produced by Emma Campbell.

MON 05:56 Weather (b0638bsg)

The latest weather forecast for farmers.

MON 05:58 Tweet of the Day (b03x457w) Grey Partridge

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

Bill Oddie presents the Grey partridge. The grey partridge, a plump game bird, is now a rarity across most of the UK. Found on farmland, a partridge pair will often hold territory in a few fields beyond which they seldom stray during their whole lives. They should be doing well but increasing field sizes, which reduce nesting cover and the use of pesticides, which kill off vital insects, have taken their toll.

MON 06:00 Today (b0638xbb)

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

MON 09:00 Reflections with Peter Hennessy (b0638xbd) Series 3

Clare Short

In this series, Peter Hennessy, the historian of modern Britain, asks senior politicians to reflect on their life and times. Each week, Peter invites his guest to explore their formative influences and experiences, and the impact on their lives of people they have known.

In the final programme of this series, Clare Short, the former International Development Secretary, discusses how her values reflect her Catholic upbringing in Birmingham and her father's sense of injustice at Britain's treatment of Ireland. After university, she joined the civil service, but her policy work at the Home Office prompted her to enter politics instead of continuing to advise others.

She became MP for Birmingham Ladywood in 1983 and courted controversy by criticising Alan Clark, then an employment minister, for being incapable in the Commons, and also by calling for a ban on Page 3 pin-ups. After Labour's 1992 defeat, she was appointed Shadow Minister for Women by John Smith, the Labour Leader, and was instrumental in seeing that Labour adopted more women as parliamentary candidates.

After Tony Blair appointed her to the Cabinet in 1997 as International Development Secretary, she played an important role in establishing the UN's Millennium Development Goals on tackling extreme poverty and achieving basic human rights. However, she later disagreed with Blair over the Iraq war, and after resigning from the Cabinet in May 2003 she criticised the absence of proper debate and democratic process in Blair's government.

Clare Short resigned the Labour whip in 2006 and sat as an independent MP until 2010. She continues to work on global development, including the Palestinian/Israeli conflict, the urbanisation of the poor, and humanitarian issues.

MON 09:45 Book of the Week (b063n3sw)

Long Time No See

Episode 1

The poet Hannah Lowe reads from her memoir about her Jamaican father and her relationship with him during her childhood in Essex. Using a notebook found after his death and letters and interviews with family, she recreates his childhood and young adult years in the decades before he met her mother.

Episode 1:

Jamaica, 1935: a young boy is repeatedly beaten by his Chinese father. Both man and boy are drawn to the throw of the dice. Decades later, a young woman in Ilford mourns the death of her gambling father.

Read by the author, Hannah Lowe, with recreated and imagined sections of Chick's life read by Colin Salmon.

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

MON 10:00 Woman's Hour (b0638xbj)

Maria Miller, Life in Squares, Male weight loss

Maria Miller, chair of the new Select Committee for Women and Equalities talks about launching their first inquiry.

Writer of a new TV series about the Bloomsbury set, Amanda Coe, discusses Life in Squares.

We hear about what its like to become estranged from your family.

We discuss the male weight loss club and why men might feel they need different help to lose weight.

And, why is it still so difficult for women of colour to buy the make up they want?

MON 10:45 15 Minute Drama (b0638xbl)

Writing the Century - Letters from a Young Indian Revolutionary

Episode 1

Writing the Century explores the 20th century through the diaries and correspondence of real people.

Set in 1930's Calcutta 'Letters from a Young Indian Revolutionary' is the true story of Tanika Gupta's great uncle Dinesh Gupta and his resistance to British Colonial rule based on the letters he wrote while imprisoned in Alipore Jail and his brother Pritish Gupta's journals.

Directed by Nadia Molinari.

MON 11:00 Mind Changers (b0639gxq)

BF Skinner and Superstition in the Pigeon

Claudia Hammond presents the history of psychology series which examines the work of the people who have changed our understanding of the human mind. This week she explores the legacy of BF Skinner and Behaviourism. One of the most famous psychologists of the 20th century, by applying to human learning the theory he developed through animal studies, he became one of the most controversial.

Claudia is shown round his study by his daughter, Julie Vargas; remaining much as it was when he died in 1990, it is full of quirky, Heath-Robinson-type, home-made gadgets, evidence of Skinner's practicality and ingenuity. They reveal another side to the man famous for his operant conditioning experiments with rats and pigeons, and infamous for his template for what some have described as a totalitarian state, in his book 'Beyond Freedom and Dienity'.

Claudia also meets his younger daughter, Deborah Buzan, and explodes the myth that she was raised in one of Skinner's experimental 'boxes'.

She hears more about the man and his work from Richard McNally at Harvard, and Gordon Bower and Lee Ross of Stanford University.

Producer: Marya Burgess

MON 11:30 Secrets and Lattes (b0639gxs)

Series 2

Burns and a' that

It's January and time to beat the post-festive blues at Cafe Culture in Edinburgh's leafy Bruntsfield.

Trisha is on a single-minded start-of-the-year health kick while trying to get over yet another breakup with her long-distance lover Richard, and her sister Clare is desperate for a business project to get over her crush on sexually-ambivalent chef

Trisha and Clare find they have distinctly different ideas about hosting a Burns Supper, trainee chef and recovering kleptomaniac Lizzie makes a new friend, and everybody parties in true Rabbie Burns' spirit until an unexpected guest makes for a dramatic turn of events.

Series two of Hilary Lyon's caffeine-fuelled sitcom

Trisha Hilary Maclean Clare Hilary Lyon Lizzie Pearl Appleby Callum Derek Riddell Richard Roger May Minty June Watson

Director: Marilyn Imrie

Producers: Gordon Kennedy and Moray Hunter

An Absolutely production for BBC Radio 4 first broadcast in July 2015.

MON 12:00 News Summary (b0638bsj)

The latest national and international news from BBC Radio 4.

$MON\,12:04$ A History of Ideas (b0639gxv)

What Is Love?

A history of ideas. Presented by Melvyn Bragg but told in many voices.

Each week Melvyn is joined by four guests with different backgrounds to discuss a really big question. This week he's asking 'What is Love?'.

Helping him answer it are theologian Giles Fraser, writer Lisa Appignanesi, classicist Edith Hall and psychotherapist Mark Vernon

For the rest of the week Giles, Lisa, Edith and Mark will take us further into the history of ideas about love with programmes of their own. Between them they will examine Freud's ideas on erotic love, Jesus and altruism, the first guidance on how to be a loving parent, by Rousseau and Aristophanes' speech which explains how love was born.

Producer: Melvin Rickarby.

MON 12:15 You and Yours (b0639gxx)

Lost phone pictures, Netflix, The Charity Line

How were insurance companies able to influence the outcomes of investigations into historic child abuse? The MP Ann Clywd has been raising the issue in Parliament, and we talk to the abuse lawyer Kim Harrison about how firms can still make claims difficult for victims of scandals such as the North Wales Bryn Estyn Children's Home.

And if you lost your phone would you lose years of irreplaceable pictures? We've cautionary tales from parents who have failed to back up their phones - and lost precious memories like first steps in the process.

Also, we've an investigation into the premium rate directory enquiries line, which customers believed donated some of its revenues to Red Cross and Barnados - but hadn't donated any money to them for three years.

And Netflix password sharing - a lot of people do it, but does the TV streaming company actually care?

MON 12:57 Weather (b0638bsl)

The latest weather forecast

MON 13:00 World at One (b0639gxz)

Peers including Baroness Boothroyd tell us Lord Sewel should quit the House of Lords, following allegations involving drugs and prostitutes. We have the latest on China's tumbling stock market. To mark Wato at 50, Jude Law tells us why British theatre is world class.

MON 13:45 The New Economy: Does Sharing Mean Caring? (b063n3sy)

Episode 1

Tim Samuels explores the sharing economy. In this first programme, he looks at accommodation.

If necessity does wonders for invention, then it makes sense that the sharing economy was born during the recession. As we tightened our belts, those possessions gathering dust - and skills going untapped - looked less like clutter, and more like a way of earning a few quid.

The spare room in a flat, the extra seat in the car, an idle hedgetrimmer gathering cobwebs could earn some extra cash.

From this seed, a whole sector has grown at a dizzying pacepropelled by some serious venture capital that smelt the potential to commercialise our natural, sociable instincts.

A gift economy has been around since food and resources were shared among families, neighbours, and friends. But technology has advanced it further and there's now an array of new companies with shiny logos and mantras to match. Tim Samuels asks who wins and who loses in this new economy.

The Government has set out their ambition for the UK to become a global hub for the sharing economy but, in doing so, will this sector merely morph into traditional big business in all but name?

Tim speaks to business owners and consumers as we ask whether we need to rethink governance in this shared future.

Over five episodes Tim asks whether sharing means caring.

Producer: Barney Rowntree

A Tonic Media production for BBC Radio 4.

MON 14:00 The Archers (b0638kgm)

[Repeat of broadcast at 19:00 on Sunday]

MON 14:15 Drama (b0383lf2) Sarah Woods - Watch Me

By Sarah Woode

A love story about the power of mirror neurons.

Anja works in advertising, Rhys is a single dad. Their fates collide at a focus group, in which Rhys takes exception to Anja's baby food campaign. Both have their reasons to resist falling in love, but their brains have other ideas.

Anja and Rhys's love story is told from a neurological perspective, by neuroscientist Christian Keysers. It's the story of two individuals whose brains begin to 'mirror' each other as they gradually fall in love. As Christian says it's "...not so much an exchange of information as two brains becoming one."

Author of 'The Empathic Brain', Christian is Head of the Social Brain Lab at the Netherlands Institute for Neurosciences. He seeks to understand how, as social animals, our brains mirror those of other people, so that understanding others is not an effort of explicit thought but an intuitive sharing of emotions, sensations and actions.

Directed by James Robinson A BBC Cymru Wales Production.

MON 15:00 Counterpoint (b0639jp4)

Series 29

Heat 8, 2015

(8/13)

Everything from cats in classical music to the hits of Queen is on offer to the competitors in the ultimate quiz for music lovers, which reaches its eighth heat of the 2015 series.

Paul Gambaccini puts questions on every imaginable musical style and era to this week's trio of contestants. At stake is another of the places in this year's semi-finals.

As always, as well as answering general knowledge music questions, they'll have to pick a musical topic in which to specialise, with no prior warning of the choices and no chance whatsoever to prepare.

Producer: Paul Bajoria.

MON 15:30 The Food Programme (b0638gpx)

[Repeat of broadcast at 12:32 on Sunday]

MON **16:00 With Great Pleasure** (**b0639jp6**) Paddy Ashdown

Paddy Ashdown reads from his favourite works of poetry and prose at home in Somerset, with readings by Simon Armstrong and Pippa Haywood, including Shakespeare, John Donne, Tagore and Eric Carle's The Very Hungry Caterpillar. Music and verse provided by singer songwriter, Steve Knightley from Show of Hands

Producer: Maggie Ayre.

MON 16:30 The Infinite Monkey Cage (b0639jp8) Series 12

The Infinite Monkey Cage USA Tour: San Francisco

Brian Cox and Robin Ince take to the stage in San Francisco for the last of their USA specials. They talk alien visitations, UFOs and other close encounters with astronomer Dr Seth Shostack, NASA scientist Dr Carolyn Porco, and comedians Greg Proops and Paul Provenza.

Producer: Alexandra Feachem.

MON 17:00 PM (b0639jpb)

News interviews, context and analysis.

MON 18:00 Six O'Clock News (b0638bsn)

27/7/2015: Police investigating drug claim peer

Police are investigating the peer Lord Sewell over allegations of drug-related offences.

MON 18:30 I'm Sorry I Haven't A Clue (b0639 jpd) Series 63

The nation's favourite wireless entertainment pays a visit to the Alban Arena in St Albans. Regulars Barry Cryer, Graeme Garden and Tim Brooke-Taylor are joined on the panel by Omid Djalili, with Jack Dee in the chair. Colin Sell provides piano accompaniment. Producer - Jon Naismith. It is a BBC Radio Comedy production.

MON 19:00 The Archers (b0639jpg)

Oliver and Caroline look forward to renting a lovely Tuscany Villa from September, as a rather jealous Ian is getting ready to move back to his cottage. Shula and Caroline discuss the opera coming to Lower Loxley - they're doing Cosi Fan Tutte and La Boheme, performing outside. Brian will be avoiding it. They also discuss Dan who's at Lulworth Camp learning to shoot. Alistair's going to see him at the weekend for a formal dinner a good chance for them to do some overdue father-son bonding. Charlie invites Adam to join him for a plush Test Match cricket event at Edgbaston. He says Ian can come too. Ian surprises them both by accepting - more keen on the event itself than the

Charlie confides in Brian over a work concern - he has been analysing the data at Berrow Farm and the dairy seems to be underperforming. The margins just don't add up. Charlie will have to just plough through the data and try to find the problem before anyone else does. Brian says his lips are sealed.

MON 19:15 Front Row (b0639jpj)

Sylvie Guillem, Iris reviewed, Fiftieth anniversary of Help!, Aurora Orchestra

The acclaimed ballet and contemporary dancer Sylvie Guillem reflects on her final programme of work Life in Progress, Sadler's Wells production at London's Coliseum. The performances include new and existing work by choreographers who have influenced her contemporary career.

The late Albert Maysels's last documentary is Iris, a portrayal of 93 year old New York fashion icon Iris Apfel. Her story is full of colour, from her design projects at the White House to her own line of bold accessories and the retrospective show at the Metropolitan Museum which brought her fame in 2005. Rachel Cooke reviews.

Nicholas Collon is the Principal Conductor of the Aurora Orchestra. A British chamber orchestra formed in 2005, they've gained a reputation for taking an unexpected approach to classical music. True to their ethos, at last year's Proms they performed Mozart's 40th Symphony from memory - this year they take on Beethoven's 6th, the Pastoral Symphony - an even greater challenge. So what are the gains in playing from memory - and what could possibly go wrong?!

As the Beatles' film Help! turns 50 this week, Kate Mossman considers why films where pop stars play versions of themselves have disappeared from screens, replaced by warts and all behind the scenes documentaries.

Presenter : John Wilson Producer: Dymphna Flynn.

MON 19:45 15 Minute Drama (b0638xbl)

[Repeat of broadcast at 10:45 today]

MON 20:00 The Night Shift (b0639 ipl)

Sarah Montague, in the company of two fellow night-workers, investigates how working when most people are sleeping affects our bodies.

"The assumption has always been that our bodies adapt to the nightshift," says Professor Russell Foster, "But now neuroscience is beginning to unravel the fundamental mechanism of sleep ... and the extraordinary finding is that we don't adapt.'

If the body clock is disrupted, Sarah discovers, our organs don't function properly and we can't control our metabolism. There's

evidence to suggest that nightshift workers have a higher incidence of diabetes, heart disease and some cancer

We follow Sarah and the night-workers through their shifts as they attempt to carry out their normal duties but struggle with

In the US there are several class action suits by nightshift workers who accuse their employers of damaging their health. The Danish government has paid compensation to nightworkers who developed breast cancer. Many argue that similar demands are bound to arise in the UK.

We hear how some companies are "chronotyping" their staff finding out whether they're a lark or an owl - before scheduling their shifts. And we find out that millions are being spent on drugs which could allow us to turn on and off a sleep "switch".

Presenter: Sarah Montague Producer: Adele Armstrong Editor: Richard Knight.

MON 20:30 Crossing Continents (b062mxfj)

South Africa Unplugged

South Africa is in crisis as the national electricity generator, Eskom, struggles to provide an adequate power supply and rolling blackouts hit the country on a regular basis. As Neal Razzell reports, there's now concern that jobs and growth are at risk from the power cuts, and the ruling ANC - which blames the problem on inheriting an apartheid-era network designed only for the white population - stands accused of complacency

Michael Gallagher producing.

MON 21:00 Natural Histories (b05w9b5t)

Coral can take on many forms from branching, tree like structures to flat table tops. They are colourful and bright, often described as underwater gardens. Yet they are double edged beauties.

Their ragged structure tore the hulls from wooden ships, causing the death of many sailors. Poisonous fish lurk amidst the beauty and sharks patrol the edges.

Charles Darwin's ship The Beagle had the task of mapping coral reefs, so dangerous were they to shipping, and they formed the topic of his first book. Darwin couldn't see the reefs underwater, but he still managed to work out how they formed, leaping from top to top with the aid of a "leaping stick"

Coral has entered our literature with tales of paradise islands, from Ballantyne's The Coral Island in the 19th century, where three young boys create paradise, to the flip side in Golding's Lord of the Flies, Paradise though was shattered between 1946 and 1958. This was the dawn of the nuclear age when deep wells were sunk into tropical reefs in the Pacific and bombs detonated. But it was the drilling cores that proved Darwin was right, over 100 years after he proposed his theory.

More recently coral reefs were the setting for the film Finding Nemo, a film so popular it set off a craze for clown fish as pets, causing real concern for the future of clown fish on many tropical reefs. According to National Geographic, demand for clown fish in aquaria tripled after the film was released. In response to the concern some aquarium owners decided to release their fish back into the wild, but unfortunately in the wrong place, causing the clown fish to become an invasive alien

Such is the tangled web we humans weave

But no matter the reality, we seem to crave the vision of paradise that coral reefs provide. They will always be glorious places in our hearts and minds.

MON 21:30 Reflections with Peter Hennessy (b0638xbd)

[Repeat of broadcast at 09:00 today]

MON 21:58 Weather (b0638bsq)

The latest weather forecast.

MON 22:00 The World Tonight (b0639jsg)

Turkey and US agree to set up a buffer zone on the Syrian border.

Washington in talks with Ankara about intensifying attacks against IS militants in Syria.

MON 22:45 Paul Murray - The Mark and the Void

(b0639k87)

Episode 1

What links the Bank of Torabundo, an art heist, a novel called For the Love of a Clown, a four-year-old boy named after TV detective Remington Steele, a lonely French banker, a tiny Pacific island, and a pest control business run by an ex-KGB man? You guessed it ...

Paul Murray's madcap novel of institutional folly, follows the success of his wildly original Skippy Dies. Read by Peter

While marooned at his banking job in the bewilderingly damp and insular realm known as Ireland, Claude Martingale is approached by a down-on-his-luck author, Paul, looking for his next great subject. Claude finds that his life gets steadily more exciting under Paul's fictionalizing influence; he even falls in love with a beautiful waitress. But can an investment banker be turned into a romantic hero, even with a writer on his side? And is Paul actually on Claude's side at all?

The Mark and the Void is a stirring examination of the deceptions carried out in the names of art, love and commerce and is also probably the funniest novel ever written about a financial crisis

Abridged by Sara Davies.

Producer: Jenny Thompson.

Music: Money by The Flying Lizards and Je Veux by Zaz

First broadcast on BBC Radio 4 in July 2015.

MON 23:00 Short Cuts (b05qgch3)

Series 7

Heartsong

From the first touch to the last kiss, Josie Long hears stories of love, loss and finding yourself.

An audio diary shines a light on how we rebuild ourselves after the end of a relationship, a final kiss in a love affair holds us in a moment crackling with tension, and a first touch offers a moment of tenderness

Series Producer: Eleanor McDowall A Falling Tree production for BBC Radio 4

The items featured in today's programme are:

Produced by Kaitlin Prest with music by Kyle Kaplan Editorial support from the School of Making Thinking, and Terrence Pender and Mitra Kaboli. Originally aired on Radiotopia's The Heart. http://www.theheartradio.org/

Edith's Passport

Produced by Eloise Stevens with music by Raphaella Cello played by George Cooke

When Will This End?

Produced by Sally Herships with Carolyn Lenske

Prepared to Love Feat. Adrian Howells

Produced by Karl James

Originally aired on The Dialogue Project You can hear the story in it's entirety here: http://understanding difference.blogspot.co.uk/2010/07/prepared-to-love.html.

MON 23:30 Shared Experience (b05vy5nv) Series 3

Episode 1

A new series of Shared Experience begins with a listener who responded after hearing the programme in which four mothers talked about the pain of leaving their children. Daniel got in touch wanting to talk about his own experience of being left by his mother at the age of ten. He talks to Fi Glover and meets Sam, the Mum from the original programme who left her daughter while she battled addiction. What takes place is a painfully honest discussion about the emotional damage Daniel and Sam's daughter suffered.

Producer: Maggie Ayre.

TUESDAY 28 JULY 2015

TUE 00:00 Midnight News (b0638btp)

The latest national and international news from BBC Radio 4.

Followed by Weather.

TUE 00:30 Book of the Week (b063n3sw)

[Repeat of broadcast at 09:45 on Monday]

TUE 00:48 Shipping Forecast (b0638btr)

The latest shipping forecast

TUE 01:00 Selection of BBC World Service Programmes (b0638btt)

BBC Radio 4 joins the BBC World Service.

TUE 05:20 Shipping Forecast (b0638btw)

The latest shipping forecast.

TUE 05:30 News Briefing (b0638bty)

The latest news from BBC Radio 4.

TUE 05:43 Prayer for the Day (b0639kgy)

A spiritual comment and prayer to begin the day with Angela

TUE 05:45 Farming Today (b0639kh0)

Bad Weather Delays Harvest

Cold, wet and windy weather is causing problems for farmers needing to harvest

The Bee Farmers' Association have set up an apprentice scheme to halt the decline in the profession.

We hear about the art of tying flies for fly-fishing.

Presented by Caz Graham and produced by Beatrice Fenton.

TUE 05:58 Tweet of the Day (b03x458y)

Great Crested Grebe

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

Bill Oddie presents the great crested grebe. In Spring, great crested grebes perform a high ritualized mating display. This includes head shaking and a spectacular performance during which both male and female birds gather bunches of waterweed and as they swim towards each other, before rising vertically in the water, chest to chest, and paddling furiously to keep themselves upright.

TUE 06:00 Today (b0639kzs)

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

TUE 09:00 The Life Scientific (b0639kzv)

EO Wilson on ants and evolution

EO Wilson has been described as the "world's most evolved biologist" and even as "the heir to Darwin". He's a passionate naturalist and an absolute world authority on ants. Over his long career he's described 450 new species of ants.

Known to many as the founding father of socio-biology, EO Wilson is a big hitter in the world of evolutionary theory. But, recently he's criticised what's popularly known as The Selfish Gene theory of evolution that he once worked so hard to promote (and that now underpins the mainstream view on evolution).

A twice Pulitzer prize winning author of more than 20 books, he's also an extremely active campaigner for the preservation of the planet's bio-diversity: he says, "destroying rainforest for economic gain is like burning a Renaissance painting to cook a meal".

EO Wilson talks to Jim al-Khalili about his life scientific

TUE 09:30 One to One (b0639kzx)

Adrian Chiles speaks to Larissa Pelham

Adrian Chiles talks to Larissa Pelham, Head of Emergency Food Security and Livelihoods for Oxfam, about how charities seek to eradicate malnourishment in the Third World, by working with local food producers.

It's well known that TV and radio presenter Adrian Chiles loves football. What's less well known is his real passion: food, both eating and cooking it. Adrian believes in the power of food to change lives, to improve society and to bring people together.

At this year's Bristol Food Connections festival, he recorded

two editions of One to One in front of an audience with guests who have extraordinary life changing food stories to tell.

Larissa Pelham has spent most of her career trying to ensure that all people, at all times, have physical and economic access to sufficient, safe and nutritious food, that's the definition of food security, but she explains the difficulties of doing this in areas of political unrest or natural disaster.

She also discusses with Adrian the effect her work has had on her own attitude to food and eating.

Producer: Lucy Lunt.

TUE 09:45 Book of the Week (b063n58m)

Long Time No See

Episode 2

The poet Hannah Lowe reads from her memoir about her Jamaican father and her relationship with him during her childhood in Essex. Using a notebook found after his death and letters and interviews with family, she recreates his childhood and young adult years in the decades before he met her mother.

Episode 2

'Mum, am I half-caste ?' The author's parents were an unlikely combination - her mother a white, English teacher from Essex, and her father, twenty-three years older, an immigrant gambler

Read by the author, Hannah Lowe, with recreated and imagined sections of Chick's life read by Colin Salmon.

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

TUE 10:00 Woman's Hour (b0639kzz)

Life on Capitol Hill - Emma Barnett meets Professor Laurie

Emma Barnett meets Professor Laurie Rubiner Chief of Staff to Democrat Senator Richard Blumenthal. Labour leadership contender Jeremy Corbyn outlines his proposals towards real gender equality and what he'll do for women if he's wins the Election. Why some parents only realise they may be autistic when they seek help for their children. Plus, Topshop decide to halt new orders of a tall and thin mannequin after a customer posted a complaint on social media saying - it was "ridiculously shaped". And could you be an MP as part of a job share?

Presenter Emma Barnett Producer Beverley Purcell.

TUE 10:45 15 Minute Drama (b0639msr)

Writing the Century - Letters from a Young Indian Revolutionary

Episode 2

Letters from a Young Indian Revolutionary by Tanika Gupta

Set in 1930's Calcutta and based on letters and diary entries this is the true story of Tanika Gupta's great uncle Dinesh Gupta and his resistance to British Colonial rule.

Unbeknown to his family Dinesh has decided to embark on a violent course of action

Directed by Nadia Molinari.

TUE 11:00 Natural Histories (b05w9b6j)

Our collective imaginations go wild at the thought of lumbering, ferocious beasts that were so powerful they once ruled the earth. T Rex scares us witless and diplodocus was an astonishing creature of breath taking proportions. It is no wonder then that dinosaur books, especially for children, appeared in the early nineteenth century and are still flying of the shelves today.

Dinosaur exhibitions always draw throngs of people. From the Crystal Palace dinosaurs in London built in the mid 19th Century to the wonderful animatronic models in today's modern museums, these ancient beasts speak to us of a different planet earth, lost in deep time, gone for ever. Yet they have left us bones and teeth that are still revealing amazing facts. Recent science shows most dinosaurs were not cold bloodied reptiles but warm blooded, feathered and colourful. They lived for 160 million years, occupying a warm humid planet rich in

When we use the world 'dinosaur' we mean it as a derogatory term for someone who can't adapt but nothing could be further from the truth. These were supreme rulers that were brought

down by an Act of God that defies imagination. So huge was the impact of the meteorite that the earth went cold and dark. Dinosaurs though will never leave us, we will take them with us into the future, in our stories, films and science and we will learn from their old bones ever more details about life on earth, and how even the most successful creatures on earth are, in reality, so fragile.

TUE 11:30 The Great Songbook (b0639mst)

Everyone has heard of the Great American Songbook. In this series Cerys Matthews explores the songbooks of other

Today: Dublin, where Cerys discusses the musical heart of the nation, seeks recommendations from a panel of experts and pieces together her own Great Irish Songbook.

Featuring musician and broadcaster Fiachna Ó Braonáin, singer and song researcher Jerry O'Reilly, and cultural historian Gerry Smyth. Recorded live at Whelans in Dublin.

TUE 12:00 News Summary (b0638bv0)

The latest national and international news from BBC Radio 4.

TUE 12:04 A History of Ideas (b0639msw)

another half, in world literature.

Classicist Edith Hall on Aristophanes in Plato

In 416BC the Greek playwright Aristophanes went to a drinking party. The guests included many famous Athenians, including Socrates, and all of them delivered a speech about love. Aristophanes' speech, says presenter Edith Hall, is 'quite simply the most charming account of why humans need a love partner,

In the beginning, he says, humans had two bodies - four legs, four arms. These early humans wheeled around the planet doing cartwheels and were blissfully happy. Then they offended the gods who split them in two. This explains why we are always looking for our other half.

This speech appears in Plato's Symposium, Edith's programme also features matchmaker Mary Balfour who shares some of her own experience about the search for love; while Edith explains her belief that the absence of love begins with the primal separation of mother and child.

TUE 12:15 You and Yours (b0639v9d)

Call You and Yours: Mental Health Services

On Call You & Yours we're asking if you've noticed any difference in mental health services where you live. In recent months a series of reports have suggested a squeeze on what is being provided, with seriously ill patients being sent to hospitals miles from home because of a shortage of beds.

Now an eating disorder charity says that anorexics asking for help are having to lose even more weight before qualifying for treatment and a mental health charity says child and adolescent services have been cut by £35 million in the past year. All this is in spite of government commitment to put mental health on equal footing with physical services

If you or someone you love uses mental health services, have you noticed any difference in recent years? Perhaps things have improved with greater willingness to talk about such problems? Email youandyours@bbc.co.uk and leave a number please so we can contact you.

TUE 12:57 Weather (b0638bv2)

The latest weather forecast.

TUE 13:00 World at One (b0639vpn)

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

$\it TUE~13:45$ The New Economy: Does Sharing Mean Caring? (b063n58p)

Episode 2

Tim Samuels explores the sharing economy. In this second programme, he looks at services

If necessity does wonders for invention, then it makes sense that the sharing economy was born during the recession. As we tightened our belts, those possessions gathering dust - and skills going untapped - looked less like clutter, and more like a way of earning a few quid.

The spare room in a flat, the extra seat in the car, an idle hedgetrimmer gathering cobwebs could earn some extra cash

From this seed, a whole sector has grown at a dizzying pace -

propelled by some serious venture capital that smelt the potential to commercialise our natural, sociable instincts

A gift economy has been around since food and resources were shared among families, neighbours, and friends. But technology has advanced it further and there's now an array of nev companies with shiny logos and mantras to match. Tim Samuels asks who wins and who loses in this new economy.

The Government has set out their ambition for the UK to become a global hub for the sharing economy but, in doing so, will this sector merely morph into traditional big business in all

Tim speaks to business owners and consumers as we ask whether we need to rethink governance in this shared future.

ver five episodes Tim asks whether sharing means caring

Producer: Barney Rowntree A Tonic Media production for BBC Radio 4.

TUE 14:00 The Archers (b0639jpg) [Repeat of broadcast at 19:00 on Monday]

TUE 14:15 Drama (b0639vpq) Pact of Silence

Set during the brutal dictatorship of the late 1970s in Argentina, a young woman's life is turned upside down when she is confronted with the shocking truth about her origins.

"If you were born between 1975 and 1980 and have doubts about your identity - if you think you might not be who they say you are, contact the Grandmothers of the Plaza de Mayo."

This is an advertisement that has appeared in Argentine newspapers since 1997.

In 1976, the dictatorship in Argentina tortured and killed up to 30,000 people. Pregnant women were kept alive until they gave birth and their babies given to childless military families to bring up as their own.

For the past four decades, the Abuelas de la Plaza de Mayo in Argentina have campaigned for those responsible to be brought to justice and to find out the fate of their children and the whereabouts of five hundred children stolen from their families during the military regime. The Grandmothers' mission is to identify these now grown up children and reunite them with their biological families

A Pact of Silence tells the story of Mariana, a young woman who has been identified by the Grandmothers as one of these kidnapped children, and the anguish she experiences as she comes to realise that her beloved adoptive father might have had a significant role to play in the disappearance of her birth parents.

Written and Directed by Penny Woolcock Produced by Natasha Dack A Tigerlily production for BBC Radio 4.

TUE 15:00 Making History (b0639vps)

Helen Castor is joined by Mike Heyworth of the Council for British Archaeology and Dan Hicks from the University of Oxford, discussing the impact of spending cuts on local archaeology services and how to overcome them.

Dr Ruth Young is just back from the Lebanon where a team from the University of Leicester have been working fruitfully in places that were once thought to have been wiped clean of archaeological significance by the civil war

Tom Holland is on Dartmoor to look at the first stone circle to be discovered there for over a century and one that, we think, has been untouched for hundreds of years.

Producer: Nick Patrick A Pier production for BBC Radio 4.

TUE 15:30 Random Radio (b0639vpv)

James Rhodes

A series which encourages guests to "think with the heart and feel with the intellect." In this second programme, Murray Lachlan Young invites concert pianist James Rhodes to combine his favourite sounds and his most passionately held ideas in unexpected ways, by feeding them into an electronic device. Murray has not prepared an interview but, instead, he and James respond spontaneously to what the device returns to them in the form of short audio snippets. Neither of them knows which of the sounds, music and speech the device will select, nor how it will combine them. The idea is to throw up connections that might not otherwise have occurred to guests,

and to encourage them to think and feel about their concerns and passions in a different way. The sounds on James' list include the hubbub of concert audiences arriving and chatting before a performance, a Zippo cigarette lighter, the flicking of light switches, and Chopin's Polonaise-Fantaisie. These, and James's other sounds, are knitted together with audio suggested by his passion for music education. The result is unpredictable but leads to surprising conversation and some unexpected improvisation on the grand piano at which James and Murray sit together in studio. The unpredictability increases as the device introduces some audio of its own, drawn from the BBC Radio archives, to create even more unusual associations between apparently disparate material, and to alter perspectives on familiar issues. Producer: Adam Fowler An Overtone production for BBC Radio 4.

TUE 16:00 Document (b0639w3v)

The Crypto Agreement

In the 1940s and 50s, as technology raced forwards and the Cold War intensified, many states came to rely on encryption machines to keep their secrets safe.

But what if the founder of a leading code-machine company gave the US National Security Agency secret access to their best machines - machines they were selling to states across the world?

Gordon Corera reveals new evidence of a secret 'gentlemen's agreement', and examines its implications at the height of the Cold War

With Richard Aldrich, John Alexander, James Bamford, Stephen Budiansky, David Easter, Paul Reuvers, Scott Shane, David Sherman, Betsy Smoot

PRODUCER: PHIL TINLINE.

TUE 16:30 A Good Read (b0639w3x)

Miriam Margolyes and Mark Haddon

Harriett Gilbert is joined by actress Mirjam Margolyes and writer Mark Haddon to discuss favourite books, including 'Great Expectations' by Charles Dickens, 'Breakfast at Tiffany's' by Truman Capote and 'To the Lighthouse' by Virginia Woolf. Producer...Mary Ward-Lowery.

TUE 17:00 PM (b0639w3z)

News interviews, context and analysis.

TUE 18:00 Six O'Clock News (b0638bv4)

. Lord Sewel - who was filmed allegedly taking cocaine with two prostitutes - has become the first peer to stand down since new rules on resignations were introduced.

TUE 18:30 It's Not What You Know (b0639w41) Series 3

Which particular football match is Elis James obsessed with? What's Penny Smith's worst habit? What was the worst thing Russell Grant did as a child?

All these burning questions, and more, will be answered in the show hosted by Miles Jupp, where panellists are tested on how well they know their nearest and dearest.

In this case, comedian Elis James picks his radio show co-host, presenter Penny Smith picks her brother-in-law and astrologer Russell Grant picks his mum

Producer: Matt Stronge.

TUE 19:00 The Archers (b0639w43)

Rex is getting the pen up for the goslings, explaining to David that they'll bring them out tomorrow in the morning and then the goslings can spend the day in the pasture. Rex admits that Toby is much better on the marketing side. Rex asks after Ruth, who's away at Heather's. Rex offers to help out if David's short. David thanks him as he heads off to start the wheat harvest. Toby pulls up in his pickup, with horn blaring. Pip and Rex later debate grazing systems.

Brian takes advice from a solicitor - complaining about the bind that Debbie and Adam have put him in, and mentioning his natural son Ruairi. Brian wants to ensure the farm is a viable business, should Ruairi take an interest later on in life. The solicitor clocks that Brian wants to 'keep a firm hand on the tiller, whilst at the same time maintaining family harmony'. He advises a course of action which will ask Adam to put his money where his mouth is.

Eddie has had an accident so can't milk at Brookfield. Eddie also won't be able to help out next month when Pip starts her

new job - as he has some big garden contracts coming up. Pip plays it cool with Toby, who asks her along to the Game Fair. She doesn't want to be one of his conquests

TUE 19:15 Front Row (b0639w45)

Joan Armatrading, Hot Pursuit, Michael Moorcock, Dealing with artistic controversy

Singer-songwriter Joan Armatrading has provided the soundtrack for generations of young Britons since she first came to prominence in the 1970s. Now on her last major world tour she looks back over 40 years of touring and the inspiration for her songs

Reese Witherspoon and Sofia Vergara star in Hot Pursuit, a road trip buddy-movie in which Witherspoon plays a police woman and Vergara a witness in her care. Comedian Meryl O'Rourke reviews.

In his first full novel for almost 10 years, science fiction writer Michael Moorcock returns to one of his recurring themes: London. Set in a post-Second World War Britain The Whispering Swarm mixes autobiographical elements of Moorcock's own life with fantasy. He explains why he has chosen to put himself centre stage.

Julia Farrington from Index on Censorship explains why it has produced new guidelines to help arts organisations understand the legal framework that underpins freedom of expression.

TUE 19:45 15 Minute Drama (b0639msr)

[Repeat of broadcast at 10:45 today]

TUE 20:00 HSBC, Muslims and Me (b0639w47)

In the summer of 2014 HSBC dispatched a batch of identical letters to several prominent Muslims telling them that their accounts would be closed. The bank said that it no longer had the "risk appetite" to handle their money. But it failed to explain why or to offer a right of appeal. So what happened?

Pursuing this story led journalist Peter Oborne to resign his job as Chief Political commentator of the Daily Telegraph: the paper had refused to publish an article he had written which was critical of HSBC's decision

Footloose and temporarily freelance, Oborne embarked on an intriguing journey to discover the cause of the bank's decision. Were the Muslims targeted by mistake or were they targeted because they are Muslims? Was Peter naive to think the accounts would be closed without good reason? And, given the fact that many of those cut off by the bank had links to the Muslim Brotherhood, could the HSBC's actions have anything to do with David Cameron's announcement of a government review of this Islamist network?

Oborne is shocked when he finds out the truth

Producer: Anna Meisel Presenter: Peter Oborne

TUE 20:40 In Touch (b0639w49)

National Federation of the Blind with Gary O'Donoghue

The BBC's Washington Correspondent Gary O'Donoghue, reports on the 75th anniversary convention of the National Federation of the Blind in the USA. The organisation is larges of its kind in the world and has long campaigned in many areas, particularly around employment and civil rights.

TUE 21:00 Inside Health (b0639w4c)

Off-patent Drugs Bill, Pre-diabetes, Sepsis, All-cause mortality

The Off-Patent Drugs Bill aims to prevent people missing out on life-saving treatments, but doctors can already prescribe drugs off-licence so why do we need a new law? Pre-diabetes a new label that could apply to as many as 1 in 3 British adults, but is it a useful to know this? The importance of diagnosing sepsis early and how to recognise the key signs. Plus Dr Margaret McCartney and Dr Carl Heneghan explain the meaning of the phrase 'all cause mortality'. Presented by Dr Mark Porter.

TUE 21:30 The Life Scientific (b0639kzv)

[Repeat of broadcast at 09:00 today]

TUE 21:58 Weather (b0638bv6)

The latest weather forecast.

TUE 22:00 The World Tonight (b0639w4f)

Turkey bombs Kurdish rebel positions after soldiers attacked near country's frontier with Iraq.

NATO declaration of support for Turkey as it tackles instability along borders

TUE 22:45 Paul Murray - The Mark and the Void (b0639w9l)

Episode 2

Novelist Paul shadows his muse at the Bank of Torabundo, but Claude grows increasingly worried he's not interesting enough to star in a novel.

Paul Murray's madcap novel of institutional folly - a stirring examination of the deceptions carried out in the names of art, love and commerce.

Read by Peter Serafinowicz.

Abridged by Sara Davies.

Producer: Jenny Thompson.

First broadcast on BBC Radio 4 in July 2015.

TUE 23:00 The Infinite Monkey Cage (b0639jp8)

[Repeat of broadcast at 16:30 on Monday]

TUE 23:30 Shared Experience (b05wy646)

After an Accident

Life is going fantastically well and the world is full of promise, and then it takes a dramatically different turn one day when an accident changes things for ever. This happened to the three guests in this week's programme - David broke his neck diving into a shallow ocean pool in Australia, Sian was hit by a taxi on holiday and Kelly suffered severe burns and injuries to her leg following a car crash. Their injuries were life changing. They share their experiences of dealing with the after effects with each other and host Fi Glover

Producer: Maggie Ayre.

WEDNESDAY 29 JULY 2015

WED 00:00 Midnight News (b0638bw9)

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

$\it WED~00:30~Book~of~the~Week~(b063n58m)$

[Repeat of broadcast at 09:45 on Tuesday]

WED 00:48 Shipping Forecast (b0638bwc)

The latest shipping forecast.

WED 01:00 Selection of BBC World Service Programmes (b0638bwf)

BBC Radio 4 joins the BBC World Service.

WED 05:20 Shipping Forecast (b0638bwh)

The latest shipping forecast.

WED 05:30 News Briefing (b0638bwk)

The latest news from BBC Radio 4.

WED 05:43 Prayer for the Day (b064dcq9)

A spiritual comment and prayer to begin the day with Angela Graham.

WED 05:45 Farming Today (b0639wcx)

Dairy Song, No Lamb Week, Salmon Netting Ban

Scottish farmers use the power of song to highlight the plight of the dairy industry.

Welsh farmers plan to withhold their lamb from the shops as prices hit rock bottom.

Concerns over the number of Atlantic salmon returning to UK rivers prompt the Scottish government to put a temporary ban on coastal netting.

Presented by Caz Graham and produced by Beatrice Fenton.

WED 05:58 Tweet of the Day (b03x45bg)

Sand Martin

Tweet of the Day is a series of fascinating stories about our

British birds inspired by their calls and songs

Bill Oddie presents the sand martin. The flickering shapes of sand martins over a lake or reservoir are a welcome sign of spring. After winging their way across the Sahara Desert, the first birds usually arrive in the UK in March. They're smaller than house martins or swallows, and they're brown above and white below with a brown band across their chest. Often you can hear their dry buzzing calls overhead before you see them.

WED 06:00 Today (b0639wwr)

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

WED 09:00 No Triumph, No Tragedy (b0639wwt)

It was February 2011 when Giles Duley, an independent 39-year-old British photographer, was blown up by a landmine in Afghanistan. He became a triple amputee, losing his left arm and both legs. His life is a miracle - most soldiers with similar in juries do not survive.

He was with the 1st Squadron of the 75th Cavalry Regiment of the US Army, a "small unit from the midwest", and studying the "huge impact" of war on soldiers. He was into his fourth week but not making much progress, when he turned to talk to an American soldier. All at once he felt "a click in my right leg" - the pressure plate that set off the landmine. "It is pretty instantaneous from click to explosion. And yet everything seemed to go into slow motion. I was tossed by the blast but there was not much noise - just bright, white, hot light. I remember seeing myself from outside my body. Not a religious experience but intense heat and fire and the strangely calm sense of flying through the air.".

WED 09:30 Witness (b0639www)

Eichmann in Argentina

In 1960 the Nazi war criminal, Adolf Eichmann, was abducted in Argentina and smuggled to Israel to face trial. He had been living in Buenos Aires under an assumed name. During his time in Argentina, he had spent hours talking to Willem Sassen a Dutch journalist and Nazi sympathiser. His daughter, Saskia Sassen, remembers.

WED 09:45 Book of the Week (b063n7m3)

Long Time No See

Episode 3

The poet Hannah Lowe reads from her memoir about her Jamaican father and her relationship with him during her childhood in Essex. Using a notebook found after his death and letters and interviews with family, she recreates his childhood and young adult years in the decades before he met her mother.

Episode 3:

In Jamaica, a mother rejects her son. Years later, in Ilford, a daughter disavows her father. But the pull of home remains almost as strong as the lure of rice and peas or the throw of the dise.

Read by the author, Hannah Lowe, with recreated and imagined sections of Chick's life read by Colin Salmon.

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

WED~10:00~Woman's~Hour~(b0639wwy)

Agatha Christie, Premature babies, Drugs at festivals, Women in prison

Why is Agatha Christie still hailed as the Queen of Crime, 125 years after her birth? A new study reveals the long term effects in later life of being born very prematurely. Criminologist Professor Fiona Measham on her work testing drugs at festivals. And a new lottery backed initiative to cut the numbers of women in prison.

WED 10:41 15 Minute Drama (b0639wx0)

Writing the Century - Letters from a Young Indian Revolutionary

Episode 3

Letters from a Young Indian Revolutionary by Tanika Gupta part of Writing the Century: a drama series exploring the 20th century through the diaries and correspondence of real people.

Set in 1930's Calcutta and based on letters and diary entries this is the true story of Tanika Gupta's great uncle Dinesh Gupta and his resistance to British Colonial rule.

Following the attack on the Writers' Building, Dinesh Gupta is

incarcerated in a brutal prison regime awaiting trial

Directed by Nadia Molinari

WED 10:55 The Listening Project (b0639wx2) Duncan and Paul – The Band Plays On

Fi Glover with band members who have played together for decades in different bands. Even though they have still not known success, their commitment to music remains just as strong. Another in the series that proves it's surprising what you hear when you listen.

The Listening Project is a Radio 4 initiative that offers a snapshot of contemporary Britain in which people across the UK volunteer to have a conversation with someone close to them about a subject they've never discussed intimately before. The conversations are being gathered across the UK by teams of producers from local and national radio stations who facilitate each encounter. Every conversation - they're not BBC interviews, and that's an important difference - lasts up to an hour, and is then edited to extract the key moment of connection between the participants. Most of the unedited conversations are being archived by the British Library and used to build up a collection of voices capturing a unique portrait of the UK in the second decade of the millennium. You can learn more about The Listening Project by visiting bbc.co.uk/listeningproject

Producer: Marya Burgess

WED 11:00 Heads Up! The First Head Transplant (b0639wx4)

Dr Sergio Canavero has a dream. He wants to perform the world's first human head transplant on severely disabled Valery Spiridonov by 2017. But he can't realise his dream to do this in the United States without a medical license.

Presenter James Peak follows Dr Canavero to Annapolis, Maryland as he pitches his complex medical procedure to a conference of neurosurgeons.

Is Dr Canavero a brilliant physician-visionary, years ahead of his time, or a rabid self-publicist? Is he an Einstein or a Frankenstein?

Produced by James Peak A Goldhawk Essential production for BBC Radio 4.

WED 11:30 John Finnemore's Souvenir Programme (b03c3dx7)

Series 3

Episode 6

John Finnemore, the writer and star of Cabin Pressure, regular guest on The Now Show and popper-upper in things like Miranda, presents a third series series of his hit sketch show.

The first series was described as "sparklingly clever" by The Daily Telegraph and "one of the most consistently funny sketch shows for quite some time" by The Guardian. The second series won Best Radio Comedy at both the Chortle and Comedy.co.uk awards, and was nominated for a Sony award.

This time around, John promises to stop doing silly sketches about nonsense like Winnie the Pooh's honey addiction or how goldfish invented computer programming, and concentrate instead on the the big, serious issues.

This final episode of the series looks at some pretty creative accounting; cross-examines an expert witness; and asks why it is that posh men's trousers are all the same colour.

Written by and starring John Finnemore, with Margaret Cabourn-Smith, Simon Kane, Lawry Lewin and Carrie Quinlan. Original music by Susannah Pearse.

Producer: Ed Morrish.

WED 12:00 News Summary (b0638bwn)

The latest national and international news from BBC Radio 4.

WED 12:04 A History of Ideas (b0639wy3)

Theologian Giles Fraser on Altruism

Giles Fraser discusses gene theory versus altruism with playwright Tom Stoppard whose play The Hard Problem explores the extent to which our genes dictate human acts of love and kindness, and Armand Leroi, the evolutionary biologist who says we are merely programmed to carry out altruistic acts.

Producer: Maggie Ayre.

WED 12:15 You and Yours (b0639wy5)

Street lights, Bottled water, Home swapping

We reveal the findings of new research into what happens when local authorities turn off street lights late at night to save money. Some have predicted that it will inevitably lead to a rise in crime and road accidents.

The high street stores investing millions in creating a new and "special" shopping experience so you'll visit the shop more often, stay for longer and spend more money.

Sales of bottled water in the UK have increased dramatically over the last thirty years. We now consume more than two billion litres of it every year. How has the industry managed to do that in a country where tap water is good quality and in some places tastes delicious?

Swapping homes with another family is one way to cut the cost of your holiday. What's it like letting someone else stay in your house while you're away? We bring together two families as they settle into each other's homes in Edinburgh and Tarragona in Spain.

Producer: Jonathan Hallewell Presenter: Winifred Robinson.

WED 12:57 Weather (b0638bwg)

The latest weather forecast.

WED 13:00 World at One (b0639wy7)

New figures show a surge in economic growth. We discuss if higher growth will mean a rise in interest rates.

NATO members hold an emergency summit after Turkey called for help to deal with so-called Islamic State. The country's ambassador says they're prepared to fight back after a recent IS bomb.

We look at calls for the Church of England to allow a second baptism, for those who've had gender reassignment.

WED 13:45 The New Economy: Does Sharing Mean Caring? (b063n7mb)

Episode 3

Tim Samuels explores the sharing economy. In this third programme, he looks at transport.

If necessity does wonders for invention, then it makes sense that the sharing economy was born during the recession. As we tightened our belts, those possessions gathering dust - and skills going untapped - looked less like clutter, and more like a way of earning a few quid.

The spare room in a flat, the extra seat in the car, an idle hedgetrimmer gathering cobwebs could earn some extra cash.

From this seed, a whole sector has grown at a dizzying pace propelled by some serious venture capital that smelt the potential to commercialise our natural, sociable instincts.

A gift economy has been around since food and resources were shared among families, neighbours, and friends. But technology has advanced it further and there's now an array of new companies with shiny logos and mantras to match. Tim Samuels asks who wins and who loses in this new economy.

The Government has set out their ambition for the UK to become a global hub for the sharing economy but, in doing so, will this sector merely morph into traditional big business in all but name?

Tim speaks to business owners and consumers as we ask whether we need to rethink governance in this shared future.

Over five episodes Tim asks whether sharing means caring.

Producer: Barney Rowntree A Tonic Media production for BBC Radio 4.

WED 14:00 The Archers (b0639w43)

[Repeat of broadcast at 19:00 on Tuesday]

WED 14:15 Drama (b04d4nhf)

The Good Listener

This authentic drama takes us inside the intelligence agency GCHQ, where agents are tracking three young British Muslims as they head for Syria.

Henry Morcombe, an experienced GCHQ analyst, is tasked with establishing whether they intend to deliver humanitarian aid or join the armed conflict. He realises that there is more to this case than meets the eye when the team discovers the boys' true purpose in Syria.

How to protect the public while keeping within legal and ethical boundaries is far from straightforward, and tensions emerge as the team responds to unfolding events.

GCHQ (Government Communications Head Quarters) has come under closer scrutiny in recent years and yet little is known about the operations of this highly secretive, but strategically essential, spy agency. The production team gained access to GCHQ during the making of the drama. The story and the characters presented here are fictional.

Written by Fin Kenned

Story consultant: Kris Hollington Sound design: Alisdair McGregor

Produced and directed by Boz Temple-Morris A Holy Mountain production for BBC Radio 4.

WED 15:00 Money Box (b0631nq3)

[Repeat of broadcast at 12:04 on Saturday]

WED 15:30 Inside Health (b0639w4c)

[Repeat of broadcast at 21:00 on Tuesday]

WED 16:00 Thinking Allowed (b0639xmq)

Prison gangs in US, Millionaire children

Prison gangs in the USA. Laurie Taylor talks to David Skarbek, Lecturer in the Department of Political Economy at King's College, London, about his research into the hidden world of convict culture, inmate hierarchy and jail politics. He finds sophisticated organisations, often with written constitutions, behind the popular image of chaotic violence. They're joined by Jane Wood, Senior Lecturer in Forensic Psychology at the University of Kent.

Also, what would children do with an unexpected windfall of a million pounds? Sally Power, Professor of Education at Cardiff University, asked this question in order to explore children's values and priorities. Would they spend, save or give it away?

Producer: Jayne Egerton.

WED 16:30 The Media Show (b0639xnw)

Nikkei buys Financial Times, ITV and Sky results, Al Jazeera journalists' retrial, Press regulation

The Japanese Nikkei group has bought the Financial Times from publisher Pearson for £844 million. Pearson has also confirmed it's now in talks to sell it's 50 per cent stake in the Economist. Steve Hewlett talks to Douglas McCabe from Enders Analysis about the sale and to David McNeill, the Independent's Japan correspondent and Economist writer about how east-meets-west cultural differences might impact on editorial standards.

ITV has reported strong half year profits, despite also reporting its lowest audience numbers for at least 15 years. The group, which is home to shows including Downton Abbey and The X Factor, said its share of Britain's television audience fell 4 per cent to 21 per cent. Despite this, profits rose by 25 per cent. Steve Hewlett asks media consultant Mathew Horsman how this has happened, and finds out more about Sky's results, which are also out today.

An Egyptian court is expected to issue a verdict tomorrow on the retrial of three Al Jazeera journalists Mohamed Fahmy, Baher Mohamed and Peter Greste who were imprisoned for more than a year. They were originally sentenced for spreading false news and supporting the Muslim Brotherhood. Sue Turton was charged in absentia and sentenced to ten years. She talks to Steve about the retrial and why her sentence has forced her to give up her job as correspondent for Al Jazeera English

The Press Recognition Panel - the body which will look at applications from any press self-regulators who want to apply for recognition under the Royal Charter - has been asking for views on how it can put the Leveson criteria into practice. It's hoping to be able to take applications from September. Chair of the panel David Wolfe QC joins Steve to explain where they're at with the process.

WED 17:00 PM (b0639xny)

Eddie Mair with interviews, context and analysis.

WED 18:00 Six O'Clock News (b0638bws)

France sends 120 extra police officers to Calais. A Liverpudlian tried to buy enough poison to kill 1,400 people. Zimbabwe charges a man over the killing of Cecil, the lion.

WED 18:30 Simon Evans Goes to Market (b0639xp0) Series 2

Sugar

Comedian Simon Evans' new series about the economics of some of the goods - or bads - to which we're addicted.

If you crave your daily coffee, can't get by without a cigarette, feel that mid-afternoon slump without your sugar-fix, or can't face an evening without a glass of wine, you are definitely not alone. But have you ever thought about the economics that has made your addiction possible? Who does it profit? And would you want to make some canny investments that take advantage of our human weaknesses?

In this series, Simon Evans looks at the economics, history and health issues behind these oh-so-addictive commodities.

This week it's sugar. Some people say sugar could be the new tobacco - exposed as a health risk that's been knowingly concealed for decades. And the trouble is sugar is in almost everything now - even things that 'look' savoury. What part does economics have to play in how we have got to this point? How do we make sense of what the food industry is doing with sugar? And if we want to invest in this addiction, how do we do it?

With the help of economics guru, More Or Less host Tim Harford and the Queen of investment know-how, Merryn Somerset Webb, plus author David Gillespie, Simon walks us around the economics of this very familiar commodity and pokes fun at our relationship with it.

Presented by Simon Evans, with regular guests Tim Harford and Merryn Somerset Webb.

Written by Simon Evans, Benjamin Partridge and Andy Wolton.

Produced by Claire Jones.

WED 19:00 The Archers (b0639xp2)

Jill and Carol look ahead to the Flower and Produce show. Ruth's coming home tomorrow as Heather has been moved into interim care where she has settled in well.

David sees to the cows before the harvest starts. He's not completely happy that Pip has gone to Hollowtree to walk the geese out with the Fairbrothers. Rex continues to debate with Pip, as they argue about grazing. Pip reminds them she's going to High Wycombe and then hopefully in a few months Brazil. Toby reminds Pip about the game fair on Friday - she hasn't decided whether she's coming yet.

With Eddie busy, Pip feels they should get on with employing a contract milker. David holds out some hope that Ruth will be home properly soon. And besides, he remembers the last 'outsider' they brought in (Sam). Pip thought he was great, but he left rather suddenly.

Jill tries to persuade Carol to join the W.I. They discuss the upcoming Centenary, with lots of regional events on 16th Sept. Carol gently stirs things with Pip, asking about the Game Fair and the Fairbrothers. Jill's concern about the Fairbrothers relates to their father, Robin - a lothario who once broke Elizabeth's heart.

Rex warns Toby not to break Pip's heart. But Toby just wants to show her a good time.

WED 19:15 Front Row (b0639xp4)

Man Booker Prize longlist, Death of a Gentleman, Game of Thrones aesthetics

Chair of judges Michael Wood discusses the books in the running for the 2015 Man Booker Prize for Fiction, whose longlist was announced today.

The novelist Kamila Shamsie, manager of the Authors Cricket Club, reviews new film Death of a Gentleman, in which two young cricket fans track down the most powerful men in the game as they uncover a scandal which threatens to bring down the entire sport.

Game of Thrones production designer Gemma Jackson and costume designer Michele Clapton discuss creating the aesthetics of the hit TV series.

Leslie Felperin offers her verdict on Paul Rudd, Amy Poehler and Bradley Cooper in the new TV comedy Wet Hot American Summer: First Day of Camp.

Presenter Kirsty Lang Producer Jack Soper.

WED 19:45 15 Minute Drama (b0639wx0)

[Repeat of broadcast at 10:41 today]

WED **20:00 Moral Maze (b0639xsr)** Hypocrisy

Of course it's a headline writer's dream. A peer of the realm and chairman of the Lords privileges and conduct committee,

snorting cocaine with two prostitutes and all at the public expense. But none of the lurid headlines has bettered Francois de la Rochefoucauld's pithily memorable line that hypocrisy is the tribute vice pays to virtue. Although penned in the 17th century it's a phrase that has particular resonance today when it often seems almost any sin in public life can be forgiven except the sin of hypocrisy. But hypocrisy is more than just a handy stick with which to beat the rich and famous. It's a useful moral category, because it helps define virtue. When one is no longer a hypocrite, but merely unlucky to have been found out, the necessity of virtue itself disappears. But it's also a tricky concept because our own moral boundaries are themselves so often flexible. In our collective disapproval of sexual 'misbehaviour' we are often wildly out of sync with what people actually do in private. A million people in the UK are nov wondering if their membership of the adultery website "Ashley Madison" (motto: "Life's short. Have an affair") will be exposed after it was hacked. Doesn't a brazen piece of hypocrisy feel refreshingly honest in an age of subjective individualism that can so cynically tolerate such moral inconsistency? Of course we're all hypocrites sometimes - does that matter? If we end up setting the moral bar so high that everyone will at some at point fail the hypocrisy test will the result be a kind of moral paralysis where it's safest not to espouse any moral ideals at all? Who dares to cast the first stone? The Moral Maze on hypocrisy.

WED 20:45 Four Thought (b0639xst)

Passports for a Price

Katy Long argues that we should think differently about citizenship. She compares how citizenship and passports are bought and sold, and explores the ethical implications.

Producer: Katie Langton.

WED 21:00 Is Ignorance Bliss? (b0639xsw)

In an age where we are saturated with information are we ever better off just 'not knowing'? Could 'not knowing' improve our memory, enhance our learning and even making us happier?

As someone who is occupationally immersed in information, author and journalist Sathnam Sanghera sets out to discover if ignorance really is bliss.

Leading us gently through a journey of the 'unknown', Sathnam meets scientists and psychologists who are investigating the realms of ignorance

James Carse, Professor Emeritus at NYU has identified three types of ignorance - ordinary, wilful and higher, and says that this is a subject area he just can't resist talking about. Carse's research takes us back to a small group of medieval monks who dedicated their life to 'not knowing'.

Jumping back into the 21st Century Sathnam will join Lisa Son of Columbia University. She has conducted recent studies into the virtues of ignorance and how the process of ignorance can actually enhance our memory and learning.

Talking about education, Professor of Biology Stuart Firestein runs a course on ignorance - it's one of his most popular classes and basically involves a group of very smart people talking about what they don't know.

Alongside the 'science of ignorance' will be a healthy dose of personal reflection from those who have chosen ignorance as a way of life, including musician Johnny Borrell who boycotted the news as he believes you can find out more truth by walking down the street with a guitar.

Produced in Bristol by Nicola Humphries.

WED 21:30 No Triumph, No Tragedy (b0639wwt) [Repeat of broadcast at 09:00 today]

WED 22:00 The World Tonight (b0639vtz)

Afghan government says Taliban leader Mullah Omar 'died in

His death has also been confirmed by a source close to the militant group's leadership.

WED 22:45 Paul Murray - The Mark and the Void (b0639vv1)

Episode 3

Paul is struggling to make a book about banking interesting until he hits upon an idea, maybe Claude should fall in love?

Initially sceptical, Claude's heart begins to beat...

Paul Murray's madcap novel of institutional folly - a stirring examination of the deceptions carried out in the names of art,

Abridged by Sara Davies.

Producer: Jenny Thompson.

First broadcast on BBC Radio 4 in July 2015

WED 23:00 Terry Alderton's All Crazy Now (b0639zzw) The Buzzing of the Honey Bee

Terry Alderton sings every song and plays every character in this one man comedy and musical explosion

Meet Mr Trenchcoat, Victor, Street Kid, Morgan the Free Man and many others and let Terry take you on a sonic journey through comedy and possible madness.

Prepare to be surprised, shocked and delighted. No monkeys were harmed in the making of this show and, of course, he didn't actually shoot a sparrow

Written by and starring Terry Alderton.

Additional material from Johnny Spurling, Boothby Graffoe, Richard Melvin, Julia Sutherland and Owen Parker.

Sound designed by Sean Kerwin

Producer: Richard Melvin

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

WED 23:15 Can't Tell Nathan Caton Nothing (b01s4r79)

About Upset Mums

EPISODE ONE: ABOUT UPSET MUMS

In a mix of stand-up and re-enacted family life - Nathan Caton illustrates what can happen when you don't listen to your Mum.

NATHAN NATHAN CATON MUM ADIOA ANDOH DAD CURTIS WALKER GRANDMA MONA HAMMOND REVEREND WILLIAMS DON GILÉT

Written by Nathan Caton and James Kettle Additional Material by Maff Brown and Ola Producer: Katie Tyrrell

Can't Tell Nathan Caton Nothing - tells the story of young, upand-coming comedian Nathan Caton, who after becoming the first in his family to graduate from University, opted not to use his architecture degree but instead to try his hand at being a full-time stand-up comedian, much to his family's annoyance who desperately want him to get a 'proper job.'

Each episode illustrates the criticism, interference and rollercoaster ride that Nathan endures from his disapproving family as he tries to pursue his chosen career in comedy.

Janet a.k.a. Mum is probably the kindest and most lenient of the disappointed family members. At the end of the day she just wants the best for her son. However, she'd also love to brag and show her son off to her friends, but with Nathan only telling jokes for a living it's kind of hard to do. She loves Nathan, but she aint looking embarrassed for nobody!

Martin a.k.a. Dad works in the construction industry and was looking forward to his son getting a degree so the two of them could work together in the same field. But now Nathan has blown that dream out of the window. Martin is clumsy and hardheaded and leaves running the house to his wife (she wouldn't allow it to be any other way).

Shirley a.k.a. Grandma cannot believe Nathan turned down architecture for comedy. She can't believe she left the paradise in the West Indies and came to the freezing United Kingdom for a better life so that years later her grandson could 'tell jokes!' How can her grandson go on stage and use foul language and filthy material... it's not the good Christian way!

So with all this going on in the household what will Nathan do? Will he be able to persist and follow his dreams? Or will he give in to his family's interference?

First broadcast on BBC Radio 4 in 2013.

WED 23:30 Shared Experience (b05xggjh)

Series 3

Bullying at School

'At nights I'd find myself praying to God to kill me" - 13 year old James shares his story of being bullied at school. He and two other teenagers George and Paris tell Fi Glover how they came through some very dark days of being physically and verbally attacked by fellow pupils for being different.

Producer: Maggie Ayre

THURSDAY 30 JULY 2015

THU 00:00 Midnight News (b0638bxn)

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

THU 00:30 Book of the Week (b063n7m3)

[Repeat of broadcast at 09:45 on Wednesday]

THU 00:48 Shipping Forecast (b0638bxq)

The latest shipping forecast.

THU 01:00 Selection of BBC World Service Programmes (b0638bxs)

BBC Radio 4 joins the BBC World Service.

THU 05:20 Shipping Forecast (b0638bxv)

The latest shipping forecast.

THU 05:30 News Briefing (b0638bxx)

The latest news from BBC Radio 4.

THU 05:43 Prayer for the Day (b064dcqc)

A spiritual comment and prayer to begin the day with Angela Graham.

THU 05:45 Farming Today (b063cxn0)

Grouse shooting, Nantwich Cheese Show, RABI retirement

Should driven grouse shooting be banned? Two weeks before the 'Glorious 12th', Charlotte Smith hears both sides of the argument, from author Mark Avery and Andrew Gilruth of the Game and Wildlife Conservation Trust. Mark's newly published book is called 'Inglorious - Conflict in the Uplands'.

This week saw the Nantwich International Cheese Show How are falling milk prices affecting the prospects for UK cheese

And Anna Hill visits a retirement home for farmers. Manson House in Bury St Edmunds in Suffolk is run by RABI, the agricultural charity.

Presented by Charlotte Smith and produced by Mark Smalley.

$\it THU~05:58~Tweet~of~the~Day~(b03x45jq)$

Goldeneve

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

Bill Oddie presents the goldeneye. Although they're a common winter visitor, you'll need to travel to Speyside in the Scottish Highlands to see goldeneves in their breeding season where, since 1970, a small population has bred there. Unlike dabbling ducks, such as mallard and teal, they don't need muddy shorelines and lots of vegetation. Goldeneves are diving ducks that feed mainly on shellfish and crustaceans.

THU 06:00 Today (b0648nnc)

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

THU 09:00 Inside the Ethics Committee (b063cxn2) Series 11

Withdrawing Feeding in Children

Food and water are the very essence of life. But is there ever a time when food and water should be withheld in someone who is not otherwise dying? And what if that someone is a child?

Emma is born with a smooth brain; a life-limiting condition that means she will never develop skills beyond that of a 6 month old baby. Her condition also means she has difficulty swallowing and has to be fed artificially.

As she passes her tenth birthday things start to become more difficult; she increasingly seems to be in pain but the medical team are not sure why and Emma cannot tell them

Her consultants eventually trace the source of her pain to her intestines and slowly they realise that they can no longer feed her artificially. They are all agreed that feeding must be withheld to ease her pain but they know that would ultimately lead to her death.

Although her prognosis has always been shortened, Emma is not otherwise dying - her heart is strong, her kidneys are functioning, and she breathes without difficulty. Withholding nutrition would bring her life to an end over the coming weeks; should the team be making those decisions in a child who is not already dying?

Joan Bakewell leads a panel of experts to discuss.

Producer: Lorna Stewart

Photo Credit: Joe Raedle /Getty Images.

THU 09:45 Book of the Week (b0638xbg)

Long Time No See

The poet Hannah Lowe reads from her memoir about her Jamaican father and her relationship with him during her childhood in Essex. Using a notebook found after his death and letters and interviews with family, she recreates his childhood and young adult years in the decades before he met her mother.

A family trip to Jamaica reveals more of a family than anticipated.

Read by the author, Hannah Lowe, with recreated and imagined sections of Chick's life read by Colin Salmon.

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

THU 10:00 Woman's Hour (b063cxn4)

Harriet Harman's acting leadership, Gender, River swimming

How is Harriet Harman performing as acting leader of the Labour party? We assess how she is handling the pressure of holding the party together in the face of tensions over the leadership elections. Gender and how we define it are discussed by a performer and a psychologist. Nothing to wear? How social media could be contributing to a throw-away fashion culture. The joys of swimming in the Thames.

Presenter: Jenni Murray Producer: Anne Peacock

THU 10:45 15 Minute Drama (b063cxn6)

Writing the Century - Letters from a Young Indian

Episode 4

Tanika Gupta's Letters from a Young Indian Revolutionary set in 1930's Calcutta is part of Writing the Century: a drama series exploring the 20th century through the diaries and correspondence of real people.

Young Indian Revolutionary Dinesh Gupta awaits execution while his family hope for a chance to appeal. .

Directed by Nadia Molinari

THU 11:00 Crossing Continents (b063cxn8)

A Mediterranean Rescue

In one of the largest operations of its kind, thousands of migrants, mostly from sub-Saharan Africa, were pulled off cramped, unseaworthy boats in the Mediterranean in June Gabriel Gatehouse has had rare access to the operation. He follows two young men as they try to find a new home in Europe, from the moment they board a privately-funded search and rescue ship, to their attempts to evade the Italian police.

THU 11:30 A Cold War Dance (b063cxnb)

Dancers and crew of the Martha Graham Dance Company bring to life their US State Department sponsored tour of Southeast Asia in 1974.

A 'soft power' dance during the Cold War, the tour was designed to refute the image of Americans as military and materialistic. It was the tail end of the war in Vietnam and after Watergate. The dancers were asked to dance and deport

themselves as ambassadors for another kind of America. They left for Taiwan the month Nixon left the White House

They danced with Imelda Marcos in Manila and curtseved to the King of Thailand in Bangkok, saw off the Bolshoi ballet in Jakarta and bats and salamanders in Rangoon. They tell of how they were transformed by their experience, but were their

Saigon was the dancers' last stop - just six months before the US evacuation. Could Modern Dance really compensate for the USA's military presence in South Vietnam's

Produced and Presented by Frances Byrnes A Rockethouse production for BBC Radio 4

Photo Credit: Sheila McSweeney.

THU 12:00 News Summary (b0638bxz)

The latest national and international news from BBC Radio 4.

THU 12:04 A History of Ideas (b063d348)

Psychotherapist Mark Vernon on Freud

What is love? Psychotherapist Mark Vernon looks at Freud's ideas on the Greek god Eros, which he saw as a kind of life force running through us, shaping our desires and passic

Freud is often thought of as reducing everything to sex, but in his view, for humans even sex isn't even really about sex. Although he started off thinking that sex was about biological release of pressure - like a steam engine - he quickly realised, from working with patients, that it was more about fantasy and imagination.

Humans want far more from sex than just reproduction or physical stimulation. Freud used the Greek god Eros as a metaphor for the unconscious forces that motivate us. He thought of Eros as a something like a force field of love, going beyond the simple one-to-one sexual attraction to a broader desire to get more out of life. Eventually he saw Eros as a desire for unification with the whole of humanity that is built into the dynamic of life itself - the yearning that wants to pass life on in children, the passion for creativity and discovery,

Presenter: Mark Vernon Producer: Jolyon Jenkins.

THU 12:15 You and Yours (b063d55p)

Charity Mailing Lists Investigation

You and Yours investigates how some charities share their donors' details with each other and how it can lead to older people being bombarded with letters. We ask the Fundraising Standards Board if the rules need to be changed.

The communications regulator Ofcom has fined Unicom for mis-selling phone and broadband contracts to small business

The Green Deal - the coalition's flagship energy saving policy has been scrapped. The government has announced an independent review of energy schemes. Which of them are working for consumers and which are not? We speak to Peter Bonfield, who is leading the review. If you would like to contribute to his review by sharing your experience then email: energyefficiencyreview@decc.gsi.gov.uk

The student who was promised she would receive a loan to cover her tuition fees at university is told half way through her first year she won't be getting it. It leaves her £9000 in debt. How many other students are affected?

Producer: Lydia Thomas Presenter: Winifred Robinson

THU 12:57 Weather (b0638by1)

The latest weather forecast.

THU 13:00 World at One (b063d34b)

People in Calais continue to try to reach Britain through the Channel Tunnel. We hear from some of them and speak to Labour's acting leader, Harriet Harman.

How close are we to knowing what happened to Flight MH370? Ai Wei Wei says he's been refused a six month visa to enter Britain.

THU 13:45 The New Economy: Does Sharing Mean Caring? (b0639gy1)

Tim Samuels explores the sharing economy. In this fourth programme, he looks at energy services.

If necessity does wonders for invention, then it makes sense that the sharing economy was born during the recession. As we tightened our belts, those possessions gathering dust - and skills going untapped - looked less like clutter, and more like a way of earning a few quid.

The spare room in a flat, the extra seat in the car, an idle hedgetrimmer gathering cobwebs could earn some extra cash

From this seed, a whole sector has grown at a dizzying pace propelled by some serious venture capital that smelt the potential to commercialise our natural, sociable instincts.

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Tim speaks to business owners and consumers as we ask whether we need to rethink governance in this shared future.

Over five episodes Tim asks whether sharing means caring.

Producer: Barney Rowntree A Tonic Media production for BBC Radio 4.

THU 14:00 The Archers (b0639xp2) [Repeat of broadcast at 19:00 on Wednesday]

THU 14:15 Drama (b063d34d)

The Good Listener: Ghost in the Machine

A new episode of The Good Listener returns to GCHO where agents are devising ways to gather data from millions of mobile phone users - from friends and foe alike. A major phone company of a European ally has become the target

Documents released by whistleblower Ed Snowden refer to an 'Operation Socialist', suggesting that UK's spy agency GCHQ were behind a cyber attack on Belgacom, Belgium's largest phone company. The operation was intended to gather data from millions of mobile phone users around the world. The 'malware' that was subsequently found on the Belgian phone provider's systems is one of the most advanced spy tools ever

Ghost in the Machine follows fictional characters inside GCHQ in a story inspired by this operation. The team need to devise ways to deal with a changing digital world but not everyone is happy with the agency's approach.

Written by Fin Kennedy Sound design by Alisdair McGregor

Produced and Directed by Boz Temple-Morris A Holy Mountain production for BBC Radio 4.

THU 15:00 Open Country (b063d34g) Rathlin Island

Helen Mark visits Rathlin Island situated just off the North Coast of Antrim

Despite having a population of just over a hundred people, Rathlin Island is a thriving community. Its rugged landscape is home to a population of farmers and fishers, and supports

Each year around thirty thousand tourists flock to the island and Helen discovers what its like to live there during the busy summer months, and once the tourists have left and the island is quiet once more in the winter months.

Presenter: Helen Mark Producer: Martin Povntz-Roberts.

THU 15:27 Radio 4 Appeal (b0638fvz)

[Repeat of broadcast at 07:54 on Sunday]

THU 15:30 Open Book (b0638hpn)

[Repeat of broadcast at 16:00 on Sunday]

THU 16:00 The Film Programme (b063d34j) Sir Tom Courtenay

With Francine Stock

Fifty years after winning his first award for his film work, Sir Tom Courtenay talks about his latest role, in 45 Years, for which he won the Silver Bear at this year's Berlin Film Festival. The actor talks about his relationship and rivalry with Albert Finney and how he persuaded Omar Sharif to become a lifelong fan of Hull City FC.

THU 16:30 BBC Inside Science (b063d34l)

Over the last few years the Kepler space telescope has picked up many planets around distant stars, radically transforming our view of planets in the universe. The latest one is called Kepler 452-B, and it's made headlines because it's at a distance from its star roughly the same as the Earth is from the Sun, and according to NASA scientists "the closest thing that we have to another place that somebody else might call home". But how can we be really sure of the bold claims for "earth like" planets and hence the possibility of life in distant parts of our universe? Kepler mission scientist Dr. Jeffrey Coughlin from SETI discusses the criteria for calling a planet 'Earth-like' amidst the hype of this latest discovery.

Graphene is the thinnest solid ever known - a form of pure carbon just one atom thick which gives it unusual, interesting properties: it is a great conductor of electricity, has transistor-like qualities, and is nearly transparent to visible light. All of these have earned graphene the status of being a "wonder material". A paper this week in Nature introduces another, new, impressive graphene technique which is basically the art of origami at an atomic level. Adam spoke to the paper's co-author Professor Paul McEwan from Cornell in New York to examine if graphene is it going to live up to the expectations.

Robert Hooke, one of the founder members of the Royal Society, was the go-to guy for microscopy in 17th century London, and in 1665, he published Micrographia, a spectacular book about tiny things. It was a best seller, and marked the beginning of biology. To mark the book's 350th anniversary Adam pours over a 1st edition to discuss its legacy with Royal Society chief librarian, Keith Moore and hears from historian Felicity Henderson of Exeter University.

Maize is a crop that is on the rise. There's an increasing demand for animal feed, and farmers are being incentivised to diversify their crop growth. These developments come, not without resistance. Maize is a crop that causes much debate, so much so that fans of The Archers will have endured the great vengeance and furious anger between Adam Macy and Brian Aldridge in recent weeks. Jane Rickson, Professor of soil erosion and conservation at Cranfield University examines why maize causes so much ire for farmers and how new research is helping to mitigate the soil erosion that's so closely associated with the

$THU\ 17:00\ PM\ (b063d34n)$

Eddie Mair with interviews, context and analysis.

THU 18:00 Six O'Clock News (b0638by3)

French investigators are to examine a plane wing to see if it's from Flight MH370.

THU **18:30 Meet David Sedaris** (b063d34q) Series 5

The Understudy; Big Boy

Two stories from one of the world's best storytellers, David Sedaris, doing what he does best:

The Understudy sees some questionable childcare from the child's point of view.

Big Boy is about a problem many of us have faced when one flush just isn't enough.

Plus some extracts from David's unique diary.

Producer: Steve Doherty

A Giddy Goat production for BBC Radio 4 first broadcast in July 2015.

$\it THU~19:00~The~Archers~(b063d34s)$

Shula's upset with Alistair, who has to cry off from visiting Dan at Lulworth tomorrow due to work. He has an interview to hopefully land a big contract and put his vet business back on an even keel.

Adam watches over the strawberry pickers before heading over to Brookfield to finish their wheat. Charlie pops by to pick Brian's brains. Adam's intrigued. Adam and Ian are looking forward to the cricket at Edgbaston.

Charlie confides in Brian that someone must have been fiddling the figures at Berrow (with the fertility data). He's not accusing Rob, but Rob is the guy who understands the software. Charlie's at a loss to know what to do

Alistair attends to a trapped animal at Brookfield - caught up in rubbish. Alistair talks of the problems of his profession and his disappointment at letting Dan down. But Shula's happy that she can at least go in his place. However, it turns out that women aren't allowed. Shula was worried by Dan's unflustered reaction to the news.

Having taken advice, Brian presents Adam with his proposalto set up a share farming agreement, with a 60/40 split, and treat it as an experiment. From now on, Adam won't be getting a salary from the farm. Adam's gobsmacked.

THU 19:15 Front Row (b063d34v)

Semyon Bychkov, Steve Reich, Richard Long, how to set up a museum

Tomorrow night Semyon Bychkov conducts Shostakovich's 7th Symphony, the Leningrad, at the BBC Proms. He talks about the significance of a piece that evokes the time of the Leningrad Siege - a period of history that affected Bychkov's own mother.

Steve Reich's 1972 Clapping Music is one of the most significant pieces of recent decades: a Minimalist classic. Now it's become an app, thanks to Andrew Burke, Chief Executive of the London Sinfonietta, to be launched at an event this Saturday at the South Bank in London. He and Steve Reich talk to John.

Richard Long: Time and Space is a new exhibition celebrating the work of the artist at the Arnolfini in Long's home town, Bristol. With new work alongside re-creations of older work, it illuminates his close relationship with place. The art critic Richard Cork reviews for Front Row.

A new museum proposed as a celebration of women in the East End of London has been revealed to have dramatically changed subject matter to the crimes of Jack the Ripper. As some seek to reverse the museum's approval, Front Row asks Alistair Brown, Policy Officer at the Museums Association, what it takes to set up a museum.

THU 19:45 15 Minute Drama (b063cxn6)

[Repeat of broadcast at 10:45 today]

THU 20:00 The Report (b063d34x)

Radicals, Rights and Hunting - The Battle for the RSPCA

Peter Marshall uncovers the real story about the fight for control of the RSPCA.

This summer the charity elected its new ruling council. As members prepared to vote, stories in the national press warned that animal rights activists were fighting to gain control of the animal welfare charity and use it to pursue their radical agenda.

But are these stories true?

Peter talks to the men and women at the front line of this battle for influence at one of the best known, best funded and best loved charities in England and Wales. He meets the so-called radicals to discuss their views, and finds out why their enemies have left the RSPCA in protest. It's a tale of dirty tricks and sometimes vicious skirmishes.

As he delves deeper into the politics and history of the charity, Peter discovers an old feud at the heart of this story, one that has dominated life at the RSPCA for decades and confounds politicians to this day - the thorny issue of fox hunting.

Producer: Lucy Proctor

THU 20:30 In Business (b063d34z)

Driverless Cars

As the race to develop driverless cars hots up around the world, the UK is determined not to be left in the slow lane. Government money is being invested to help test vehicles and 'pods' over the next three years.

It's not just the robotic technology which is being developedbuilding the trust of the public in vehicles which eventually won't need drivers behind the wheel is crucial There's still a long way to go, and Peter Day talks to those involved in this brave new world of transport.

Producer: Caroline Bayley.

THU 21:00 BBC Inside Science (b063d34l)

[Repeat of broadcast at 16:30 today]

THU 21:30 Punt PI (b04bj7pk)

Series 7

The Case of the MP Who Vanished

Steve Punt turns private investigator and examines the curious case of the socialist MP Victor Grayson who vanished into thin air!

Firebrand politician, champion of the mill workers, scion of the establishment, fancy dresser, hard drinker, man about town. Victor Grayson was many things when he erupted onto the public stage in 1907 as the first and last independent socialist MP, aged 26. However this shooting star disappeared from sight in 1920, under mysterious circumstances, with no confirmed sightings after that.

Punt P.I. sets out on a trail through Yorkshire valleys, dusty archives and seedy Soho to pick up clues to Victor's disappearance.

Producer Neil McCarthy.

THU 22:00 The World Tonight (b063d43r)

Cameron criticised for his description of migrants as a "swarm".

So far this week more than 3000 people have attempted to get into Channel Tunnel.

THU 22:45 Paul Murray - The Mark and the Void (b063d43t)

Episode 4

Devastated after learning he was the mark in Paul and Igor's plan to rob the bank, Claude comes up with an idea to retain Paul's help in his pursuit of Ariadne...

Paul Murray's madcap novel of institutional folly - a stirring examination of the deceptions carried out in the names of art, love and commerce.

Read by Peter Serafinowicz.

Abridged by Sara Davies.

Producer: Jenny Thompson.

First broadcast on BBC Radio 4 in July 2015.

THU 23:00 Jeremy Hardy Speaks to the Nation (b04jlrxv) Series 10

How to Be a Good Citizen

Stand by your radios! Jeremy Hardy returns to the airwaves with a broadcast of national comic import!

In this programme, Jeremy attempts to understand citizenship, to examine the State and to spell surveillance. Looking over his shoulder at the script will be Gordon Kennedy (Absolutely) and Carla Meadons:

Jeremy Hardy engages in a free and frank exchange of his entrenched views. Passionate, polemical, erudite and unable to sing,

Few can forget where they were when they first heard "Jeremy Hardy Speaks To The Nation". The show was an immediate smash-hit success, causing pubs to empty on a Saturday night, which was particularly astonishing since the show went out on Thursdays. The Light Entertainment department was besieged, questions were asked in the House and Jeremy Hardy himself became known as the man responsible for the funniest show on radio since Money Box Live with Paul Lewis.

Since that fateful first series, Jeremy went on to win Sony Awards, Writers Guild nominations and a Nobel Prize for Chemistry. He was a much-loved regular on both The News Quiz and I'm Sorry I Haven't A Clue.

Written by Jeremy Hardy.

Produced by David Tyler.

A Pozzitive production for BBC Radio 4 first broadcast in 2014.

THU **23:30 Shared Experience** (**b05xxjgj**) Series 3

Taken Hostage

Fortunately, most people will not have the experience shared by Fi Glover's guests this week. Peter spent six years working in Georgia. The day before he was due to fly home from the posting, he was kidnapped at gunpoint and held in squalid

conditions for six months. Contrast that with another Peter who surfed and drank beer while his ship was held for three months during the blockade of the Suez Canal. Sarah meanwhile was setting out across Kenya to work in an orphanage in neighbouring Tanzania when the bus she was travelling in was held up by bandits and driven off-road into the bush. The interesting thing that emerges from their conversation is that two of them appear to have coped better with their experiences, while one man subsequently struggled.

Producer: Maggie Ayre.

FRIDAY 31 JULY 2015

FRI 00:00 Midnight News (b0638bzn)

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

FRI 00:30 Book of the Week (b0638xbg)

[Repeat of broadcast at 09:45 on Thursday]

FRI 00:48 Shipping Forecast (b0638bzt)

The latest shipping forecast.

FRI 01:00 Selection of BBC World Service Programmes (b0638bzw)

BBC Radio 4 joins the BBC World Service.

FRI 05:20 Shipping Forecast (b0638bzy)

The latest shipping forecast.

FRI 05:30 News Briefing (b0638c00)

The latest news from BBC Radio 4.

FRI 05:43 Prayer for the Day (b064db7l)

A spiritual comment and prayer to begin the day with Angela Graham

FRI 05:45 Farming Today (b063d59d)

Pig farm, Geothermal energy, Field sports

Plans are being considered for a 30,000-pig farm in Newtownabbey in Northern Ireland. If approved, the site would be significantly bigger than anything currently operating in the UK. The farmer says he has plans in place to mitigate the smell and waste from the plant, but some campaigners say such intensive pig farms have no place in the UK.

The idea of farmers producing energy is nothing new - biomass plants, anaerobic digestors, solar power and wind turbines are all now established on British farms. But another renewable source of heat is currently being investigated in Scotland. The government there has put money into five projects to see if underground energy can heat homes and businesses, and help to clean up disused mines.

The presenter is Charlotte Smith, the producer in Bristol is Sally Challoner

FRI 05:58 Tweet of the Day (b03x45lf)

Snow Goose

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

Bill Oddie presents the snow goose. Snow geese breed in the Canadian Arctic and fly south in autumn to feed. Their migrations are eagerly awaited and the arrival of thousands of these white geese with black-wingtips is one of the world's great wildlife spectacles. Here, on the opposite side of the Atlantic, snow geese are seen every year, often with flocks of other species such as white-fronted geese. Snow geese are commonly kept in captivity in the UK, and escaped birds can and do breed in the wild. So, when a white shape turns up amongst a flock of wild grey geese, its origins are always under scrutiny.

FRI 06:00 Today (b063dcg2)

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

FRI 09:00 Desert Island Discs (b0638gpq)

[Repeat of broadcast at 11:15 on Sunday]

FRI 09:45 Book of the Week (b063n285)

Long Time No See

Episode 5

The poet Hannah Lowe reads from her memoir about her Jamaican father and her relationship with him during her childhood in Essex. Using a notebook found after his death and letters and interviews with family, she recreates his childhood and young adult years in the decades before he met her mother.

Episode 5

A young woman forges her own path. Chick dwindles before his family's eyes, but his daughter's gaze is focussed elsewhere.

Read by the author, Hannah Lowe, with recreated and imagined sections of Chick's life read by Colin Salmon.

Abridged and produced by Jill Waters

A Waters Company production for BBC Radio 4.

FRI 10:00 Woman's Hour (b063dcg4)

Iris Apfel, Risking it all for an affair, Living with early onset Alzheimers, Vocal fry

Ninety-three year old Iris Apfel is celebrated for her flamboyant style and her trademark giant glasses. She's the subject of a new documentary and she joins Jenni to discuss her impatience with banality, ageism in fashion and her love of accessories; why some people who "have it all" risk it all by being unfaithful, with journalist and novelist Rosie Millard and Susanna Abse from the Tavistock Centre for Couple Relationships. A year ago Wendy Mitchell was diagnosed with early on-set Alzheimers disease. Since then she's started a blog to "write all my thoughts before they're lost". She describes living with the disease. Vocal Fry, so called because it causes the voice to sound hoarse and dried out, is the latest trend in the speech patterns of young women. But is it undermining them and causing them to be taken less seriously? With author and journalist Naomi Wolf and Professor of World Literature at Oxford University Dr. Elleke Boehmer.

Presenter: Jenni Murray Producer: Caroline Donne.

FRI 10:45 15 Minute Drama (b063dcg8)

Writing the Century - Letters from a Young Indian Revolutionary

Episode 5

Calcutta 1931. Dinesh Gupta is in Alipore Jail sentenced to execution by hanging following his attack on the British Colonial Office Writers' Building where he shot a British officer dead. His family and Gandhi have appealed but will they succeed?

Concluding episode of Tanika Gupta's Letters from a Young Indian Revolutionary part of Writing the Century our drama series exploring the 20th century through the diaries and correspondence of real people.

Directed by Nadia Molinari.

FRI 11:00 America's Fan Club (b06084k8)

You have to be a direct descendent of a veteran of the War of Independence to join The Daughters of the American Revolution. Set up 125 years ago when its brother organisation refused to accept women, it now far eclipses the Sons of the American Revolution. It was once the watchword for white, exclusive privilege and is famous for refusing to allow a black singer to perform, but now it's membership is growing and it proudly boasts women of all backgrounds and colour. Its aims have changed little in its history: patriotism, education and the preservation of historic buildings. Emma Barnett joins four thousand of its members at its annual Congress in Washington to find out why women are choosing to join, and how they are interpreting the organisation's aims in the 21st century. Producer: Katy Hickman.

FRI 11:30 Clare in the Community (b063dcgb)

Series 10

Things That Go Bump in the Day

The Sparrowhawk team are forced to work together to overcome a little problem they discover in the office. Lead by Clare, they're thinking outside the box...

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

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

Clare continually struggles to control both her professional and

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

Written by Harry Venning and David Ramsden.

Clare Sally Phillips Brian Alex Lowe

Nali/ Megan Nina Conti Ray Richard Lumsden

Helen Pippa Haywood Simon Andrew Wincott

Libby Sarah Kendall Joan/ Sarah Barker Sarah Thom

Scarlett Eleanor Curry

Stine Wetzel Amelia Lowdell Hunter Neet Mohan Dylan Elliot Steel

Producer Alexandra Smith.

First broadcast on BBC Radio 4 in July 2015.

FRI 12:00 News Summary (b0638c02)
The latest national and international news from BBC Radio 4.

FRI 12:04 A History of Ideas (b063dcgg)

Writer Lisa Appignanesi on the Love of Children

How should we love our children? Can we build on the feelings we experience when we see them for the first time, raise them by instinct and personal principles or should we consult the childcare gurus of the internet and the bookshelves?

Lisa Appignanesi, the novelist, biographer and author of 'All About Love' suggests that we should turn to the first childcare expert of them all, Jean-Jacques Rousseau. The father of the Romantic movement was one of the first philosophers to consider the importance of the initial bond between mother and child, strongly opposing the fashionable habit of farming newborn babies out to wet nurses.

Rousseau failed to follow his own advice, abandoning his five children to the Paris orphanage, but his writing belatedly raised our children to a status worthy of philosophical debate.

Lisa is joined in her ruminations by psychoanalyst, Adam Phillips, Rousseau expert Christopher Brooke and her own son and grandson.

This is part of a week of progammes asking, 'What is love?'.

FRI 12:15 You and Yours (b063dcgj)

Tribunals, Currency Exchange, Weight-loss Surgery

Government figures show that a third of people who are owed money from an employer following an employment tribunal, never receive it.

We hear from a listener who sent £60,000 to his daughter in the USA, but lost £2000 to exchange rates.

Plus, the weight loss specialist who has looked at failure rates and thinks people may be opting for surgery too readily.

And supermarket checkouts are going to get a friendly voice. Radio 4 newsreaders try their hand at warning you about unexpected items in (the) bagging area.

Presenter: Louise Minchin Producer: Natalie Donovan.

FRI 12:57 Weather (b0638c04)

The latest weather forecast.

FRI 13:00 World at One (b063dcgn)

As the crisis in Calais continues, we hear from a government minister and the French ambassador to London. Jack Straw answers the charge that Blairites are a "virus", and Clive Anderson tells us why he's playing King John. With Mark Mardell.

FRI 13:45 The New Economy: Does Sharing Mean Caring? (b063n287)

Episode 5

Tim Samuels explores the sharing economy. In this final programme, he looks at governance and the future.

If necessity does wonders for invention, then it makes sense that the sharing economy was born during the recession. As we tightened our belts, those possessions gathering dust - and skills going untapped - looked less like clutter, and more like a way of earning a few quid.

The spare room in a flat, the extra seat in the car, an idle hedgetrimmer gathering cobwebs could earn some extra cash.

From this seed, a whole sector has grown at a dizzying pace propelled by some serious venture capital that smelt the potential to commercialise our natural, sociable instincts.

A gift economy has been around since food and resources were shared among families, neighbours, and friends. But technology has advanced it further and there's now an array of new companies with shiny logos and mantras to match. Tim Samuels asks who wins and who loses in this new economy.

The Government has set out their ambition for the UK to become a global hub for the sharing economy but, in doing so, will this sector merely morph into traditional big business in all but name?

Tim speaks to business owners and consumers as we ask whether we need to rethink governance in this shared future.

Over five episodes Tim asks whether sharing means caring.

Producer: Barney Rowntree A Tonic Media production for BBC Radio 4.

FRI 14:00 The Archers (b063d34s)

[Repeat of broadcast at 19:00 on Thursday]

FRI 14:15 Drama (b0375byr)

Nick Warburton - Irongate

James Fleet and Emma Fielding star in Nick Warburton's twohander play about love and loss. A woman walks once a year along the Thames, from Kew to Tower Bridge. Why?

Directed by Peter Kavanagh.

FRI 15:00 Gardeners' Question Time (b063dcgw)

Summer Garden Party

Peter Gibbs hosts the GQT Summer Garden Party from the National Botanic Garden of Wales.

Produced by Dan Cocker Assistant Producer: Hannah Newton

A Somethin' Else production for BBC Radio 4.

FRI 15:45 The Computer Speaks (b063dcgy)

Tom

An original short story for radio by A.L. Kennedy.

Our relationship with computers is an intimate one. What would they say about us if they could speak? The last of three stories about computers finding their voice.

A.L.Kennedy was born in Dundee in 1965. She is the author of 16 books: 6 novels, 7 short story collections and 3 works of nonfiction. She is a Fellow of the Royal Society of Arts and a Fellow of the Royal Society of Literature. She was twice included in the Granta Best of Young British Novelists list.

She has won awards including the 2007 Costa Book Award and the Austrian State Prize for International Literature. She is also a dramatist for the stage, radio, TV and film. She is an essayist and regularly reads her work on BBC radio. She occasionally writes and performs one-person shows. She writes for a number of UK and overseas publications and for The Guardian Online.

Producer: Mair Bosworth Readers: Neve McIntosh and John MacKay

FRI 16:00 Last Word (b063dch0)

Nova Pilbeam, Reverend Owen Chadwick, Jon Vickers, Yoichiro Nambu, Nick Ryman

Matthew Bannister on

The Reverend Owen Chadwick, the distinguished ecclesiastical historian who was vice Chancellor of Cambridge University during student protests in the 1970s and chaired an influential commission on Church and State.

Also Jon Vickers the operatic tenor best known for playing muscular roles like Samson, Otello and Peter Grimes.

Yoichiro Nambu, the theoretical physicist who won the Nobel Prize for his ground-breaking work on sub atomic particles.

Nova Pilbeam, the leading lady in early Hitchcock films who later turned her back on stage and screen.

And Nick Ryman who made his fortune by building up the family stationery firm and then moved to France to become a successful wine maker.

FRI 16:30 Feedback (b063dch2)

Roger Bolton explores religious broadcasting on radio. As the UK becomes more spiritually diverse and increasingly secular, how should the BBC approach religious news and worship?

Since its birth in the 1920s, the Corporation has always produced religious content, with programmes focussed primarily on Christian worship during the early days. Ninety years later, the religious makeup of the country is far more diverse and complex, so is the BBC keeping up with the times when it comes to spiritual matters? We ask listeners whether they think religion still has a place on the BBC, and how a national broadcaster should reflect faith and worship across different religions.

For some Feedback listeners, religious output is extremely important - for others, it is outdated and inappropriate. Roger discusses these views with Religious Affairs correspondent Caroline Wyatt, Editor for Religion and Ethics in BBC Regions, Ashley Peatfield, and Head of Radio for BBC Religion and Ethics, Christine Morgan.

The subject of Religion is not just confined to specialist programming. Outside of people's personal worship, religion plays a significant role in social and political affairs both on the international and domestic stage. So how well does the BBC tackle religion when it comes to news and current affairs?

Islam is the fastest growing religion in the UK, but while coverage and debate around the Islamic faith is fairly common on Radio 4, Muslim worship is rarely heard. So how well does wider BBC Radio serve its Muslim listeners? Feedback visits BBC Radio Sheffield, which runs Ramadan programmes during the Holy month.

Producer: Karen Pirie A Whistledown production for BBC Radio 4.

FRI 16:55 The Listening Project (b063dch4)

Malcolm and Ann - Married to the Farm

Fi Glover with a conversation between a farmer and his townbred wife, about the total commitment to the livestock and the farm that is essential in a farming marriage. Another in the series that proves it's surprising what you hear when you listen.

The Listening Project is a Radio 4 initiative that offers a snapshot of contemporary Britain in which people across the UK volunteer to have a conversation with someone close to them about a subject they've never discussed intimately before. The conversations are being gathered across the UK by teams of producers from local and national radio stations who facilitate each encounter. Every conversation - they're not BBC interviews, and that's an important difference - lasts up to an hour, and is then edited to extract the key moment of connection between the participants. Most of the unedited conversations are being archived by the British Library and used to build up a collection of voices capturing a unique portrait of the UK in the second decade of the millennium. You can learn more about The Listening Project by visiting bbc.co.uk/listeningproject

Producer: Marya Burgess

FRI 17:00 PM (b063dch6)

Eddie Mair with interviews, context and analysis.

FRI 18:00 Six O'Clock News (b0638c06)

Cameron warns migrants crisis will last all summer - and a new ebola vaccine is hailed

FRI 18:30 The Now Show (b063dch8) Series 46

Series 46

Episode 5

Steve Punt and Hugh Dennis present the week via topical standup and sketches.

FRI 19:00 The Archers (b063dchb)

Ruth's home from Prudhoe - she has missed everything so much. With Pip going away, David hopes Ruth will be able to take things on, but Ruth says there's loads to do for Heather - including selling her house. In that case, says David, they need to get a contract milker in. Ruth's a bit thrown. To make Ruth feel better about the idea, David suggests that she does the interviews. Ruth and Pip work together on the job spec. Pip's also going to skip the Game Fair so that she can spend some quality time with Ruth.

Jennifer wishes Brian would take a leaf out of retired Tony's book. Tony feels it was the best decision he ever made. Tony's very supportive of Adam's plans for the Home Farm soil. Jennifer mentions Brian's share farming idea - she wouldn't blame Adam if he upped sticks and walked away. It's Johnny's seventeenth birthday tomorrow and Tony teases Jennifer about what she was like at that age.

Helen and Rob return from holiday - Pat notices how radiant Helen looks. Helen and Rob surprise Henry by telling him that they got married when they were on holiday - so Rob is now officially his daddy. Henry's delighted.

FRI 19:15 Front Row (b063dchd)

The Diary of a Teenage Girl, Kathy Reichs, Stage business, Amazon Prime

Briony Hanson reviews coming of age drama The Diary of a Teenage Girl, starring Kristen Wiig and Alexander Skarsgard.

Kathy Reichs discusses her latest novel and reflects on being both a bestselling crime writer and a practising forensic anthropologist.

Front Row investigates the art of stage business as productions like The Red Lion and High Society lead actors to cook, clean and iron on stage.

As Jeremy Clarkson signs for a new programme with Amazon Prime, Peter White of Broadcast Magazine considers whether moving to a streaming service will give the show more creative freedom.

Presenter: Kirsty Lang Producer: Ellie Bury.

FRI 19:45 15 Minute Drama (b063dcg8)

[Repeat of broadcast at 10:45 today]

FRI 20:00 Any Questions? (b063dgs7)

James Delingpole, Graham James, Nikki King, David Orr

Shaun Ley presents political debate and discussion from Attleborough in Norfolk with author and columnist James Delingpole, the Bishop of Norwich Rt Rev Graham James, Honorary Chairman of Isuzu Trucks Nikki King, and Chief Executive of the National Housing Federation David Orr.

Producer: Emma Campbell.

FRI 20:50 A Point of View (b063dgs9)

Adam Gopnik: Role Reversal

A weekly reflection on a topical issue

FRI 21:00 A History of Ideas (b063dgsc) Omnibus

A new history of ideas presented by Melvyn Bragg but told in many voices. An opportunity to hear all this week's programmes in this Oppibus edition

Melvyn is joined by four guests with different backgrounds to discuss a really big question. This week he's asking 'What is Love?'

Helping him answer it are the theologian Giles Fraser, writer Lisa Appignanesi, classicist Edith Hall and psychotherapist Mark Vernon

Across the week Giles, Lisa, Edith and Mark took us further into the history of ideas about love, with programmes of their own. Between them they examined Freud's ideas on erotic love, Jesus and altruism, the first guidance on how to be a loving parent, by Rousseau and Aristophanes' speech which explains how love was born.

This omnibus edition has all five programmes together.

FRI 21:58 Weather (b0638c0f)

The latest weather forecast.

FRI 22:00 The World Tonight (b063dgsf)

Ebola vaccine results are deemed 'remarkable'.

Everyone receiving it after coming into contact with ebola patient developed immunity.

FRI 22:45 Paul Murray - The Mark and the Void

Supported by bbc.co.uk/programmes/