

**SATURDAY 14 SEPTEMBER 2013**

**SAT 00:00 Midnight News (b039rwl5)**

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

**SAT 00:30 Book of the Week (b039rwc7)**

Deep Sea and Foreign Going: Inside Shipping, the Invisible Industry

Episode 5

As Kendal approaches her destination of Singapore, Rose George learns of a daring rescue in the ship's history and is inspired to shine a light on the welfare of the workers behind the shipping industry.

Read by Susie Riddell.  
Abridger: Laurence Wareing  
Producer: Eilidh McCreadie.

**SAT 00:48 Shipping Forecast (b039rwlz)**

The latest shipping forecast.

**SAT 01:00 Selection of BBC World Service Programmes (b039rwlx)**

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

**SAT 05:20 Shipping Forecast (b039rwlz)**

The latest shipping forecast.

**SAT 05:30 News Briefing (b039rwm1)**

The latest news from BBC Radio 4.

**SAT 05:43 Prayer for the Day (b039rwrj)**

A spiritual comment and prayer to begin the day with the Revd Dr Janet Wootton.

**SAT 05:45 iPM (b039rwrj)**

'In the police I spent years watching the EDL, they're not what you might think' - a former policeman who gathered intelligence on extremist groups talks to iPM. And we speak to a listener in Tripoli about the Debenhams opening on her street and the shooting she hears at night. Email iPM@bbc.co.uk.

**SAT 06:00 News and Papers (b039rwm5)**

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

**SAT 06:04 Weather (b039rwm7)**

The latest weather forecast.

**SAT 06:07 Open Country (b039rqq1)**

Celebrating the Plum

Once strewn with apple, pear and plum orchards the Vale of Evesham has been famous for its fruit since the middle ages. Helen Mark visits the Vale to see the work being done to continue the area's heritage of fruit production.

In Pershore she spends the day at the annual plum festival, a celebration of the close association the town has had with the fruit for hundreds of years. Here, she meets comedian and conservationist, Alistair McGowan, and hears about his memories of growing up in the area and lifelong fondness for plums.

After the boom years of fruit production in the Vale at the end of the nineteenth century, the 1950s saw a decline in the industry and, since then, almost 80% of the orchards have closed in the area. Helen meets Edward Crowther, whose family has run fruit businesses near Evesham for many generations, and hears about the changes in the Vale during the last century. She joins John Porter at Hipton Hill orchard and learns about the work his conservation group is doing to arrest the decline in the number of traditional orchards in the area and restore them to their former glory.

Produced by Beatrice Fenton.

**SAT 06:30 Farming Today (b039yxxh)**

Farming Today This Week

2013 has been a turbulent year for cereal growers, with the weather throwing everything it had at them. But after the incredibly wet autumn, freezing spring, and hot summer how has the harvest actually turned out? Charlotte Smith asks farmers and grain analysts. And she explores the barley harvest from the perspective of one of its end users: the head brewer at

Wadworth's, in Devizes.

Presented by Charlotte Smith, and Produced by Sarah Swadling.

**SAT 06:57 Weather (b039rwm9)**

The latest weather forecast.

**SAT 07:00 Today (b039yxxk)**

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

**SAT 09:00 Saturday Live (b039yxxm)**

Bettany Hughes; former SAS soldier Chris Ryan

Richard Coles and Anita Anand are joined by historian and broadcaster, Bettany Hughes who talks about her love of history, cricket and Istanbul, Dr Robert Poole who explains what happened on September 14th 1752 when Britain changed from a Julian calendar to a Gregorian calendar and Jess Herman who tells us about her work with Nicaraguan street children.

They also hear a 'Sound Sculpture' of a Spitfire's Merlin engine described by Britain's only female Spitfire pilot Carolyn Grace, explore Andrew Johnston's attic in 'The Thing About Me' where he discovers pictorial maps by his Uncle MacDonald 'Max' Gill, listen to the 'Inheritance Tracks' of former SAS soldier Chris Ryan and travel to Durham with John McCarthy to see the Lindsfarne Gospels in a major exhibition at Durham University's Palace Green Library.

Producer: Chris Wilson.

**SAT 10:30 Celluloid Beatles (b039yp0f)**

The Beatles transformed the way we hear music. But their five films - most notably 'A Hard Day's Night' and 'Help!' - also changed the way youth culture was portrayed in the movies. Miranda Sawyer explores The Beatles' foray into film, its wider cultural impact and the financial rewards for the British film industry of the time.

Throughout the 1960s, film was central to the Beatles' career and, although their time together was short lived, no fewer than five of their record releases were in support of films - A Hard Day's Night, Help!, Magical Mystery Tour, Yellow Submarine and Let It Be.

Beatles' authority Mark Lewisohn and film lecturer Steve Glyn help put the group's movies into context.

We also hear from directors Dick Lester (A Hard Day's Night and Help!) and Michael Lindsey Hogg (Let It Be) who had the pleasure or challenge of directing the Fab Four. Poet Roger McGough talks about his role as script editor for the cartoon animation Yellow Submarine, and editor Roy Benson explains the preparation of Magical Mystery Tour for TV broadcast on Boxing Day in 1967.

Producer: John Sugar

A John Sugar production for BBC Radio 4.

**SAT 11:00 The Week in Westminster (b039yp0h)**

Steve Richards of The Independent looks behind the scenes at Westminster before MPs head off to far flung cities for the party conferences.

With Ed Miliband's leadership under the spotlight, two former political advisers discuss whether it's possible for a leader in the doldrums to turn things around.

What are the prospects for the Liberal Democrats as they gather for their conference in Glasgow? The party's leading rebel, Andrew George, and Nick Clegg's parliamentary aide, Duncan Hames, assess the future.

This week came better growth figures - in line with the predictions of some economists, but suggesting others are wrong. Ruth Lea and Paul Johnson consider the art of economic forecasting.

And the former Chief Whip Andrew Mitchell and Louise Ellman discuss whether committee chairs are becoming more powerful than cabinet ministers.

The Editor is Mandy Baker.

**SAT 11:30 From Our Own Correspondent (b039yp0k)**

Italy's Hard-Up Casanovas

Kate Adie introduces reports from correspondents around the world. Following the death sentences handed down to four men in India for the rape and killing of a young woman, Rupa Jha reflects on her own personal experience of some disturbing events from her childhood. Linda Pressly is with the gold miners of Kalimantan in Indonesia and sees the high price they

have to pay from mercury poisoning as they try to earn a living. Mary Harper is in Somaliland, where books have a more powerful draw than guns. Lindsay Johns reflects on the culture of the Caribbean island of Martinique and what it means to be French by accident. And Emma Jane Kirby is with the former Casanovas of Italy who are still hoping for a return to better days.

Producer: John Murphy.

**SAT 12:00 Money Box (b039yp0m)**

Have the zombies got your savings?

The Financial Conduct Authority announced this week it is to investigate the £1 trillion savings market and how the banks use bonus rates to lure us in. In a speech in April Chief Executive Martin Wheatley described the banks as "enticing consumers towards a product and relying on human inertia to keep them there". A survey last year found that more than two thirds of the 1,800 instant access/notice cash isas and savings accounts it looked at were what's called 'zombie' accounts - closed to new customers and paying 0.5% interest or less. We debate the pros and cons of bonus rates.

The direct debit family (yes there really is one, they're called the Smarts) are all smiles and find direct debits really useful to manage their finances. But what if someone takes out a direct debit for goods or services but uses your bank details? Would you be warned, can you get your money back and how can you protect yourself?

The deposit of 4-6 weeks' rent paid by tenants is supposed to be fully protected according to the law. But what happens when a letting agent goes out of business and the deposit disappears. Who is ultimately liable and how can the tenant get the deposit back?

Four tenants of Fife Council have won appeals against a reduction in their housing benefit on the grounds that they had more bedrooms than the rules allowed. A tribunal judge sitting in a First Tier Tribunal rules that a room which would be overcrowded if an adult slept in it (less than 70 sq. ft.) should not be counted as a bedroom. And rooms with another reasonable and essential use could also be exempted. Will this lead to appeals by more of the 660,000 tenants who are expected to be affected?

**SAT 12:30 Bremner's One Question Quiz (b039rymr)**

Who Runs Britain?

Rory Bremner's new weekly satirical comedy takes one big contemporary question each week and attempts to answer it. Regular panellists Andy Zaltzman, Kate O'Sullivan and Nick Doody are joined this week by the chief political commentator for The Telegraph Peter Osborne and columnist for The Guardian, Deborah Orr.

Together, they ask "Who runs Britain?"

Rory's mantra is that it's as important to make sense out of things as it is to make fun of them. He believes only then will people laugh at the truth. This deconstructed "quiz" has only one question each week, because that question is so big there's no time for anything else. Expect a mix of stand-up and sketch combined with investigative satire and incisive interviews, with a diverse range of characters who really know what they're talking about.

Producers: Simon Jacobs and Frank Stirling

A Unique production for BBC Radio 4.

**SAT 12:57 Weather (b039rwmc)**

The latest weather forecast.

**SAT 13:00 News (b039rwmf)**

The latest news from BBC Radio 4.

**SAT 13:10 Any Questions? (b039rwd8)**

Norman Lamb, John Redwood, Billy Hayes, Maria Eagle

Jonathan Dimbleby presents political debate and discussion from Southend in Essex with Care Minister Norman Lamb MP, John Redwood MP, Shadow Transport Secretary Maria Eagle MP and Billy Hayes the General Secretary of the Communication Workers Union.

The panel discuss the privatisation of Royal Mail, Labour's relationship with the unions, Michael Gove's comments about those who use food banks, HS2, and Nick Clegg's leadership of the Liberal Democrats.

**SAT 14:00 Any Answers? (b039yp0p)**

A chance for Radio 4 listeners to have their say on the issues discussed on Any Questions?

**SAT 14:30 Ayeesha Menon - Undercover Mumbai (b039yp0r)**

One Last Sacrifice

As India's general elections draw near, and the world's largest democracy decides its future, A murder and a political scandal leads Police Inspector Alia Khan to unravelling the truth about her policeman father's death. A climactic hour-long final episode of the police detective serial set in Mumbai.

Set and recorded on location in Mumbai, this six-part police detective serial stars Alia Khan, as a young woman officer in the Bandra Division of the Mumbai Police Force, who attempts to solve a series of crimes as she tries to make sense of her troubled past and cope with being a woman in a male dominated and chauvinistic police force. Written by Ayeesha Menon and directed by John Dryden.

**PRODUCTION**

Sound Recordist - Hitesh Chaurasia  
Sound Design - Steve Bond  
Editing Assistants - Andrew Lewis & Aditya Khanna.  
Script Editor - Mike Walker  
Assistant Producer - Toral Shah  
Producer - Nadir Khan  
Music - Sacha Putnam  
Writer - Ayeesha Menon

Director - John Dryden  
A Goldhawk Production for BBC Radio 4

www.goldhawk.eu.

**SAT 15:30 The Secret History of Bossa Nova (b039q24f)**

Singer Monica Vasconcelos tells the musical and political story of bossa nova, the first modern music of Brazil.

Forget its low key supper club reputation, bossa nova was tied to political revolution and driven by a sharp and very modern aesthetic. It was born in Rio in the late 1950s as a new music to mark the dawn of a new Brazil - an urban, modernising society leaving behind its colonial past, open to the future and looking out at the world.

Fusing gorgeous melodies with an harmonic language inspired by the French impressionist composers (bossa writers like Antonio Carlos Jobim and Marcus Valle studied Debussy and Ravel closely) and a cosmopolitan sensibility, bossa nova became the music of choice for a smart young, urban Brazilian middle class who were flooding into the cities as the Brazilian economy boomed.

The bossa sound went national then international. By the mid 1960s it became hugely influential in America and around the world. But just as bossa hit big globally and The Girl from Ipanema reached the top of the American charts, the scene was shaken to its core at home with the deposal of the left wing civilian government and the arrival of a military regime, backed by the United States. At first censorship was light but by 1968 the junta had drifted into open repression and many musicians were arrested or exiled. Bossa nova - its serenity and preoccupation with sun, the sea and love - suddenly seemed out of touch with these darker times.

Presenter Monica Vasconcelos is a bossa singer herself and travels to Rio to meet musicians that were part of the original bossa scene - Joyce and Marcus Valle, Eumir Deodato, music writer Ruy Castro.

Producer: Simon Hollis  
A Brook Lapping production for BBC Radio 4.

**SAT 16:00 Woman's Hour (b039yr38)**

Weekend Woman's Hour: Katie Melua; Alison Goldfrapp; Louise Brealey

Katie Melua talks about why she's turned to her early childhood in Georgia, then part of the USSR, for inspiration for her new album.

The Muslim Women's Network warn the sexual exploitation of Asian girls within the UK is being overlooked by some professional bodies, including the police. We speak to Taylor Austin Little from Isis, Detective Superintendent Tim Bacon of West Midlands Police and Ratna Lachman, the Director of Just West Yorkshire.

Louise Brealey, better known as Molly in the BBC TV Series Sherlock, talks about her playwriting debut - a new version of a near mythic tale, Pope Joan.

America's Mistress - Eartha Kitt. John Williams on his biography of the glamorous star born in the South Carolina cotton fields.

Heather Barr from Human Rights Watch on the effect that the failure to get a law called The Elimination of Violence Against

Women passed by parliament might have on Afghan law and women's rights.

Gabrielle Turnquest is the youngest person called to the bar in 600 years. We talk to Gabrielle and her mother Patrice.

Is dyeing grey hair a feminist issue? We discuss with fashion commentator Caryn Franklin and fashion historian Caroline Cox.

Alison Goldfrapp sings Annabel, from her new album Tales of Us.

**SAT 17:00 PM (b039yr3d)**

Saturday PM

Full coverage of the day's news.

**SAT 17:30 iPM (b039rwr1)**

[Repeat of broadcast at 05:45 today]

**SAT 17:54 Shipping Forecast (b039rwmh)**

The latest shipping forecast.

**SAT 17:57 Weather (b039rwmk)**

The latest weather forecast.

**SAT 18:00 Six O'Clock News (b039rwmn)**

The latest national and international news from BBC Radio 4.

**SAT 18:15 Loose Ends (b039ysbt)**

Michael Dobbs, Mark Thomas, Pauline McLynn, Stuart Skelton, Nikki Bedi, Hatcham Social, Zemmy Momoh

Clive's on The Edge of Madness with author Michael Dobbs, who, following a career in politics and advertising has had huge success with novels such as political thriller 'House of Cards'. Michael's new thriller 'A Ghost at the Door' from his Harry Jones series finds Harry almost destitute, with little left apart from his love for the headstrong Jemma. But he must now risk losing her and even his own life to uncover the truth about his dead father.

Go on, go on, go on! Clive talks to actress Pauline McLynn about swapping Father Ted for a Father Figure in a new star-studded BBC One sitcom. Well known for playing hyperactive parish housekeeper Mrs Doyle in 'Father Ted', Pauline's now starring as housework enthusiast Mary in 'Father Figure', which follows the everyday chaos of the Whyte family. It's on 18th September at 22.35.

Loose Ends prima donna Nikki Bedi talks to acclaimed heldentenor Stuart Skelton, who launches his 2013-14 season with a return to the English National Opera as Florestan in a new production of Fidelio and a revival of the acclaimed 2009 production of Peter Grimes. 'Fidelio' is at the London Coliseum from 25th September to 6th October.

Comedian Mark Thomas has poked his nose into enough things to cause a politician to resign, arms deals to collapse and force the odd multinational to clean up its act. He talks to Clive about committing 100 Acts of Minor Dissent for his new show; a hilarious, subversive catalogue of those acts from the smallest to the grandest confrontations.

With music from Hatcham Social, who perform 'Lion With A Laser Gun' from their album 'Cutting Up The Present Leaks Out The Future'.

And from singer songwriter Zemmy Momoh performs 'Brittle Pieces' from her 'Winter' EP.

Producer: Sukey Firth.

**SAT 19:00 Profile (b039ysbw)**

Sergei Lavrov

Mark Coles profiles Russian Foreign Minister Sergei Lavrov, a key figure in the Syria crisis. Has this chain-smoking, vodka-loving diplomat managed to restore Russian power?

Those who've dealt with him tell us just why he's such a formidable opponent, and how he survived the collapse of the Soviet Union to put Russian diplomacy back at the centre of world affairs.

Producers: Chris Bowlby and Smita Patel.

**SAT 19:15 Saturday Review (b039ysby)**

Rush; Science Britannica

Fasten your seatbelts as the Formula 1 rivalry of the Seventies between James Hunt (Daniel Bruhl) and Niki Lauda (Chris Hemsworth) comes to the big screen. Ron Howard directs Peter Morgan's screenplay in Rush.

There's a double bill of science as Richard Dawkins' memoir An Appetite for Wonder details his early life in Africa and at Oxford, until the publication of The Selfish Gene; and Professor Brian Cox looks at the history and future of British science in the BBC2 series Science Britannica.

Tacita Dean's latest exhibition at the Frith Street Gallery in London includes her new film JG, inspired by a long-term correspondence Dean held with the writer J G Ballard. They had a mutual fascination with the earthwork created by American sculptor Robert Smithson known as the Spiral Jetty. It also includes her re-working of original postcards of pre-war Kassel, c/o Jolyon.

And Farragut North opens at the Southwark Playhouse in London, starring Max Irons and Rachel Tucker. Will the tale of American politics that was transformed into the George Clooney film The Ides of March work for a British audience?

Tom Sutcliffe is joined by Helen Lewis, Sir Christopher Frayling and James Runcie.

Producer: Sarah Johnson.

**SAT 20:00 Archive on 4 (b039lmkg)**

Bombing Berlin

Stephen Evans, the BBC's Berlin correspondent, tells the story of Wynford Vaughan-Thomas's report recorded aboard a Lancaster Bomber during a raid on Berlin.

In 1943, the RAF contacted the BBC with a dramatic offer - they were willing to send a two-man radio crew on a bombing raid over Berlin. The BBC chose Wynford Vaughan-Thomas for the mission. He accepted, knowing he might never return.

So on the night of 3rd September 1943, Vaughan-Thomas recorded for the BBC live from a Lancaster Bomber during a bombing raid over Berlin.

Wynford Vaughan-Thomas's experiences as a wartime reporter were remarkable; he was at Belsen and at the Normandy landings, reporting as it happened. The recording over Berlin shows his remarkable courage, literally under fire, and his description of the bombing and the views from the plane are rich indeed.

Vaughan-Thomas went on to become one of post-war Britain's most prominent media-intellectuals, a regular commentator and journalist, but those hours aboard the plane clearly remained a defining time in his life. Forty years later, interviewed by Parkinson, he called it "the most terrifying eight hours of my life. Berlin burning was like watching somebody throwing jewellery on black velvet - winking rubies, sparkling diamonds all coming up at you."

Stephen Evans puts Wynford Vaughan-Thomas's recordings in context. He looks at the experience on the ground in Berlin that night, reflects on the place of the broadcast in journalistic history, and dips into a lifetime of reflections from Vaughan-Thomas on a night which changed his life for ever.

Featuring Karin Finell, Max Hastings, Roger Moorhouse, Harold Panton, Jean Seaton, Dietmar Seuss and David Vaughan-Thomas.

Producer: Martin Williams.

**SAT 21:00 British New Wave (b039p331)**

Saturday Night and Sunday Morning

Saturday Night and Sunday Morning - Episode 2

Robert Rigby's dramatisation of Alan Sillitoe's seething novel set in 1958 Nottingham - part of Radio 4's celebration of British New Wave film and cinema.

In this second and final episode, 'angry young man' Arthur Seaton continues to rage against the boredom of his work and home life, but some of his past soon catches up with him and he has to face the consequences. The appearance of a new woman in his life also presents further challenges.

Sound Design: David Chilton  
Spot Effects: Alison McKenzie  
Production Manager: Sarah Tombling  
Director: Carl Prekopp

Producer: Lucinda Mason Brown  
A Goldhawk Essential production for BBC Radio 4.

**SAT 22:00 News and Weather (b039rwmp)**

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

**SAT 22:15 Unreliable Evidence (b039q5fm)**

Cross-Examination in the Dock

In the first of a news series, Clive Anderson asks if overly aggressive cross-examination of witnesses in court turns trial by jury into trial by ordeal.

Senior circuit court judge Sally Cahill and barristers experienced in prosecuting and defending, discuss whether new rules dictating the way lawyers cross-examine defendants, victims and other witness in court could compromise the right to a full and rigorous defence and lead to injustices.

In a recent high profile child prostitution trial, one young girl was cross-examined for 12 days by seven different defence barristers and the parents of the murdered schoolgirl Milly Dowler were said to be mentally scarred by the trauma of the cross examination they had to go through in the trial of their daughter's killer.

Barrister Hugh Davies stresses the need for more protection for vulnerable witnesses while fellow advocate John Cooper strongly defends the right of a defence lawyer to vigorously cross-examine witnesses and challenge their evidence.

Barristers are currently being trained to work within new rules governing cross-examination which prevent them using complicated vocabulary and tricks of advocacy to bamboozle the immature or unconfident. Prosecutors and police chiefs have also published new guidelines on how to prepare cases involving child sexual abuse - focusing on the credibility of the allegations, not on the victim's strength or weaknesses as a witness.

How are these new rules and proposed changes playing out in the courtroom? Is justice being compromised? And how exactly is it determined who is "vulnerable" in the first place?

Producer: Brian King

An Above the Title production for BBC Radio 4.

**SAT 23:00 Quote... Unquote (b039pdttd)**

The quotations quiz hosted by Nigel Rees.

As ever, a host of interesting celebrities will be joining Nigel as he quizzes them on the sources of a range of quotations and asks them for the amusing sayings or citations that they have personally collected on a variety of subjects. We discover who the most quotable people they have ever met are and we're treated to their favourite four line humorous poems.

This week Nigel is joined by Woman's Hour's Jenni Murray, News presenter Matt Barbet, Children's Playwright David Wood and Journalist and writer Katharine Whitehorn.

Reader ..... Peter Jefferson.

Produced by Carl Cooper.

**SAT 23:30 Poetry Please (b039p335)**

Story Poems 1

Roger McGough introduces some story poems including work by Roy Fisher, Emily Dickinson and Lawrence Ferlinghetti. Readers: John Mackay, Niamh Cusack, Anton Lesser and Kenneth Cranham. Producer: Tim Dee.

**SUNDAY 15 SEPTEMBER 2013****SUN 00:00 Midnight News (b039xmfj)**

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

**SUN 00:30 Opening Lines (b012r6vb)**

Series 13

Ladies of the Soil

A return of the series which gives first-time and emerging short story writers their radio debut.

A meditative tale by Gill Blow about unspoken tensions between a husband and wife as they look to an uncertain future.

Read by Philip Jackson  
Produced by Gemma Jenkins

A graduate of the Sheffield Hallam creative writing course, Gill's one-act play was performed as part of the New Writers Drama Festival in Lincoln last year and her story, Pol Creek,

was recently published in The New Writer Magazine.

**SUN 00:48 Shipping Forecast (b039xmfq)**

The latest shipping forecast.

**SUN 01:00 Selection of BBC World Service Programmes (b039xmf5)**

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

**SUN 05:20 Shipping Forecast (b039xmg1)**

The latest shipping forecast.

**SUN 05:30 News Briefing (b039xmg3)**

The latest news from BBC Radio 4.

**SUN 05:43 Bells on Sunday (b039yz4d)**

The bells of the Church of Benedict and Mary, Buckland Brewer, Devon.

**SUN 05:45 Profile (b039ysbw)**

[Repeat of broadcast at 19:00 on Saturday]

**SUN 06:00 News Headlines (b039xmg5)**

The latest national and international news.

**SUN 06:05 Something Understood (b039yz4g)**

Seeking Eurydice

Orpheus' descent to the underworld to bring Eurydice back to life is a powerful myth, and one that has a special hold over artists and anyone who is grieving. But how can someone who believes in the finality of death reconcile this conviction with an Orphic reluctance to let go? After losing a friend, Jo Fidgen goes in search of an afterlife that an atheist can believe in.

With readings from Czeslaw Milosz, Rainer Maria Rilke and Ali Smith; and music by David Lang, Karl Jenkins and Beethoven. The programme also includes an interview with a Sami reindeer herder about the tradition of bringing the dead to life in song.

Readers: Emma Fielding and Jonathan Keeble

Producer: Alan Hall

A Falling Tree production for BBC Radio 4

**SUN 06:35 On Your Farm (b039yz4j)**

For Welsh livestock farmer Ifor Humphreys, there is no such thing as a typical day. Alongside managing his cattle and flock of 350 sheep, he arranges 'eco-friendly' funerals on his farm. Since 2003, more than 170 people have chosen the agricultural setting of Green Lane Natural Burial Site as their final resting place, in one of Ifor's hay and wild flower meadows.

In the last twenty years, the number of approved natural burial sites has gone from none to nearly 300, with landowners, farmers and charities running more than half of them.

In this edition of On Your Farm, Sybil Ruscoe visits a family farm in the heart of rural Wales which has diversified its business to offer a 'green' alternative to the traditional funeral.

Presented by Sybil Ruscoe and produced by Angela Frain.

**SUN 06:57 Weather (b039xmg7)**

The latest weather forecast.

**SUN 07:00 News and Papers (b039xmg9)**

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

**SUN 07:10 Sunday (b039yz4l)**

This week's programme is a special edition from Glasgow examining the state of religion in Scotland

Edward speaks to the new Archbishop of St Andrews and Edinburgh, Leo Cushley, who will replace the disgraced Cardinal Keith O'Brien, to find out what his vision is for the future of the Catholic Church in Scotland.

But what kind of church will the new Archbishop inherit? Our reporter Gavin Walker investigates.

Brother Guy Consolmagno is the Pope's astronomer, but what is the relationship between the Vatican and science? Edward meets him at the Jesuit Centre in Edinburgh to find out.

The Pensions Minister, Steve Webb, recently declared that

"God must be a Liberal". As the Liberal Democrats gather in Glasgow for their annual conference we find out why he believes this to be true.

Passage from India is a charity who are working to combat poverty with support from the Church of Scotland. Edward meets the volunteers in Glasgow to discover how a journey to India inspired them.

John Curtice, Tom Gallagher and Sally Foster-Fulton debate the state of religion in Scotland and the role that it may play in the run up to the referendum on independence.

Producers: Annabel Deas, Rosie Dawson

Series Producer: Amanda Hancox

Contributors:  
Brother Guy Consolmagno  
Monsignor Leo Cushley  
Steve Webb MP  
John Curtice  
Tom Gallagher  
Sally Foster-Fulton.

**SUN 07:55 Radio 4 Appeal (b039yz4n)**

ACE Africa

Dame Judi Dench presents the Radio 4 Appeal for ACE Africa. Reg Charity:111283

To Give:

- Freephone 0800 404 8144

- Freepost BBC Radio 4 Appeal, mark the back of the envelope ACE Africa.

**SUN 07:57 Weather (b039xmgc)**

The latest weather forecast.

**SUN 08:00 News and Papers (b039xmgk)**

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

**SUN 08:10 Sunday Worship (b039yz4q)**

Living Stones

from Leominster Priory celebrating heritage and culture at the Festival of Churches. This weekend at least 270 churches across Herefordshire, Shropshire and Worcestershire are opening their doors to visitors, revealing their curious histories and staging events from exhibitions of wedding dresses to the history of Hereford cattle. The Bishop of Dudley, the Rt Revd David Walker reflects on how church buildings tell stories from the past to inspire people today.

Leader: the Rector, the Rev'd Mike Kneen. He is joined by the priory congregation, members of Leominster Priory Choir and the Leominster Choral Society.

Director of Music: James Atherton

Organist: Simon Bell

Producer: Clair Jaquiss.

**SUN 08:48 A Point of View (b039rwdb)**

Great Pretenders

AL Kennedy reflects on the struggle to establish truth in what she regards as an age of lies. Lies, she says, are proliferating on TV, in politics, in business and throughout public and private life. Extracting truths in moral and effective ways, she argues, is an ever greater challenge.

Producer: Sheila Cook.

**SUN 08:58 Tweet of the Day (b038qjrh)**

Meadow Pipit

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

Brett Westwood presents the Meadow Pipit. The thin but penetrating calls of the meadow pipit can be heard on a remote mountainside or high above the city streets on an autumn day. Meadow pipits are often the main hosts for the parasitic Cuckoos and many a pipit pair ends up stuffing insects into a much larger cuckoo chick.

**SUN 09:00 Broadcasting House (b039yz4s)**

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 (b039yz4v)**

For full synopses see daily episodes.

**SUN 11:15 The Reunion (b039yz4x)**

Spare Rib

By the early 1970s, the idealism of the 60s was fading for many of the women involved in the counter-culture. They were left with an increasing realisation that, while the men might be building a new age, they would still be expected to make the tea and do the housework.

Although the Women's Liberation Movement was growing, a woman still needed her husband or father's permission to get a mortgage, women were barred from visiting Wimpy bars after midnight (on the assumption they must be prostitutes) and at the BBC female employees were strongly discouraged from wearing trousers.

Into this world burst Spare Rib, a women's magazine with a difference. As well as talking about fashion and food, it was packed with articles on women's rights, domestic violence, working conditions, sexuality... and a column called Spare Parts told readers how to put up their own shelves and mend their own shoes. An early reader offer was a purple dishcloth emblazoned with the words: "First you sink into his arms, then your arms end up in his sink". Unlike the mainstream magazines of the day, it discussed life, not "lifestyle".

In this edition of the Reunion, Sue MacGregor brings together five of the women who created Spare Rib. Among them are editors Marsha Rowe and Rosie Boycott, Angela Phillips who took the photographs, including the first carefully constructed cover shot, and Anna Raeburn who wrote the advice column. The ground-breaking magazine they produced was to outlast most other titles of the so-called underground alternative press, and change the lives of those who read and wrote for it.

Produced By Kate Taylor

Series Producer David Prest

A Whistledown Production for BBC Radio 4.

**SUN 12:00 Just a Minute (b039pdtm)**

Series 67

Episode 5

Just how hard can it be to talk for 60 seconds with no hesitation, repetition & deviation? Gyles Brandreth, Patrick Kielty, Alun Cochrane and Tony Hawks find out!

**SUN 12:32 The Food Programme (b039yz4z)**

Booze-free Bars

Booze Free Bars - With an increasing number of us giving up alcohol, new bars are popping up across the country to provide an alternative to pub drinking.

**SUN 12:57 Weather (b039xmh3)**

The latest weather forecast.

**SUN 13:00 The World This Weekend (b039yz51)**

The latest national and international news, including an in-depth look at events around the world. Email: wato@bbc.co.uk; twitter: #theworldthisweekend.

**SUN 13:30 Surgical Cuts (b039yz53)**

Narayana Hrudayalaya is a world-class private hospital in Bangalore that has been revolutionising the delivery of affordable heart surgery over the past 10 years. Its visionary founder, NHS trained cardiac surgeon Dr Devi Prasad Shetty, has pioneered a new model of mass healthcare which is now being replicated across India and attracting global attention.

Mukti Jain Campion visits the hospital and examines the cost-cutting innovations at the heart of its success.

Could the Narayana model offer any lessons for other countries which are trying to balance increasing demand for good quality healthcare within tight economic constraints?

Producer Mukti Jain Campion

A Culture Wise production for BBC Radio 4.

**SUN 14:00 Gardeners' Question Time (b039rwct)**

Summer Garden Party 2013, Ness Botanic Gardens

Eric Robson is joined by Matt Biggs, Matthew Wilson, Pippa Greenwood and Toby Buckland to answer questions at the gardening event of the year, the GQT Summer Garden Party 2013 at Ness Botanic Gardens.

Produced by Howard Shannon

A Somethin' Else production for BBC Radio 4.

Q: What is the secret of successfully growing a Buddleja?

A: Buddleja seeds spread on the breeze very easily. They like freely drained soil with a sunny, open aspect. If you've got heavy soil you can rake it up into a mound to create a slightly raised area of around 4 inches/10cm. This will help a Buddleja to become established. Once established, you'll struggle to get rid of it! If you bought the plant in a container with a well-established root system it could well be pot-bound, so make sure that you buy as small a plant as you possibly can and really spread the roots out well when planting out.

Q: We've fallen in love with the white border. I've recently dug a border 40ft (12.2m) by 6ft (1.8m). What are the must-have white plants to plant in it?

A: Actually, plants that aren't white are essential because you really need some contrast in there or you'll end up with a monochromatic wash. For this you could choose plants with contrasting foliage including silver foliage, but also you should look for contrasting flowers, for example pale blue Geraniums. For white plants, you could go for white Penstemon. For early season you could use Orlaya, Anthriscus which have a look similar to cow-parsley.

Q: Why do Harebells only grow in the wild?

A: It is likely that, like a lot of wildflowers, they prefer specific and quite mean conditions with a scarce amount of food and care, which is the sort of thing you'll find in a rough bit of meadowland but less so in well kept gardens. If you wanted to grow them, as with many plants that thrive in the wild, it's best to really carefully look at the conditions they thrive in because you'll need to recreate this as best you can.

Q: I have a yearning for a cold frame to sit alongside my unheated greenhouse. If I had one, can the panel advise me how best to use the two in tandem to protect my plants in tubs, etc during the winter?

A: Often cold frames you can purchase aren't actually big enough if you want to get good use from them. Ideally you could get someone to make one for you that has the front about 60cm (2ft) tall going up at a good slope at around 120cm (4ft) at the back. That will allow you to put pots in there of a reasonable size to over winter. The other thing you can do by customizing your own is to increase the light levels inside by painting it white, this will really help. A cold frame is very handy for moving plants into when the greenhouse is packed and using as a mid-way for plants from the house back out into the garden. It is also much more flexible than a greenhouse for hardening off plants, because you can simply take the top off the cold frame and replace when needed.

Q: Can I plant fruit bushes on ground cleared of Monkshood? I understand that the roots are poisonous.

A: The entire Monkshood plant is highly toxic, so there is the possibility that some of the chemicals could be taken up if you had fruit plants growing in that soil, although it is very unlikely. To be completely safe, you should avoid it.

Q: What plants can we use on a steep, northwest-facing bank which borders our natural brook? We want to reduce erosion from rain and flooding, the bank floods occasionally. We're at the base of Wenlock Edge, the soil is clay on limestone and it's a frost pocket. Help!

A: In those conditions a Spurge (Euphorbia amygdaloides) would do well, with acid yellow flowers in the spring. They will tend to spread and won't mind a bit of flooding. If you plant them in ground that is too good, they're quite hard to get rid of but in these tough conditions they should be ideal. The best idea is to fill the area with plants that want to be there. If you try plants and they fail, move onto something different until you find the ones that thrive. You could try Bergenia abendglut which will spread and is full of pink flowers in with bronze/red leaves in Autumn. You should also plant ferns which will do well on that bank, including Dryopteris wallichiana, Dryopteris erythrosora, Polystichum setiferum Herrenhausen and Brunnera silver leaf form like 'Jack Frost'. You should plant in quantity.

**SUN 14:45 Witness (b039z4f0)**

US Airman Shot Down by Syrian Forces

In 1983, a US airman was captured while attacking Syrian positions in Lebanon. Lt Robert Goodman was taken to Damascus and held for a month. He was only released after Reverend Jesse Jackson went to Syria to plead his case with President Hafez al-Assad.

**SUN 15:00 Classic Serial (b039z4f2)**

Jerome K Jerome - Three Men in a Boat

Episode 1

The Now Show's Hugh Dennis and Steve Punt with Julian Rhind-Tutt from Green Wing star in a sparkling new dramatisation of Jerome K Jerome's comic classic.

In Edwardian London, three carefree young men and their dog, Montmorency, plan a rowing holiday down the Thames to Oxford. But nothing goes smoothly.

Episode 1:

Even their packing proves a trial for the trouble-prone J, Harris and George. On the eve of the trip they manage to oversleep, they struggle to find the right train from Waterloo to Kingston and get hopelessly lost in the maze at Hampton Court. They navigate their first lock successfully and end up at yet another 'hostelry' for just one drink', but the evening ends on a dangerous note - Harris decides he will sing a comic song. Oh dear.

Three Men In A Boat has never been out of print since its first publication in 1889. In stark contrast to the adventure writers of the time - Kipling, Haggard and Stevenson - Jerome K Jerome gave us a story about three ordinary fellows having a jolly time down the river.

Pub singers..... from Rose Bruford College  
Music..... provided by Gary Yershon, with Eddie Hession on accordion

Dramatised by Chris Harrald  
Original and adapted music by Gary Yershon

Sound design: Eloise Whitmore

Producer: Melanie Harris  
Executive Producer: Polly Thomas

A Sparklab production for BBC Radio 4.

**SUN 16:00 Open Book (b039zdv5)**

Jo Nesbo on his new Harry Hole thriller Police

Norwegian crime novelist Jo Nesbo only started writing in his late 30s, following successful careers as a footballer, rock star and then stockbroker, but since his publishing debut in 1997, his books have sold upwards of 14 million copies.

Entering Nesboland is not for the fainthearted: the body count rises almost as fast as the author's sales figures and murders are more gruesome, original and downright terrifying than most of us can imagine in even our worst nightmares. With the publication in English of his latest Harry Hole thriller, Police, Jo Nesbo explains his relationship with his ruggedly handsome, cynical, alcoholic detective, how his plotlines still scare him and why Ibsen has become a source of inspiration.

From Captain Kidd to Captain Hook, Blackbeard to Long John Silver, Mariella explores the piratical high seas and treasure troves of literature with Neil Rennie and Professor Claire Jowitt, to discover how the literary imagination has influenced our perception of pirates rather more than the history of real life brigands themselves.

And in the next in Open Book's series, The Book I'd Never Lend, author and clinical psychologist Frank Tallis tells us about his most treasured of tomes - a book of four psychoanalytic case studies by Sigmund Freud, originally owned by Freud himself.

Producer Andrea Kidd.

**SUN 16:30 Poetry Please (b039zdv7)**

Story Poems 2

Roger McGough introduces some story poems including work by Wilfred Owen, Stevie Smith and Rudyard Kipling. Readers: John Mackay, Niamh Cusack, Anton Lesser and Kenneth Cranham. Producer: Tim Dee.

**SUN 17:00 China and America: Harmony and Hostility (b039q258)**

This summer President Obama hosted the new Chinese Premier, Xi Jinping at an informal summit in Palm Springs. It was a clear sign of the importance placed on the relationship between the world's two greatest powers. Both leaders stressed the need for their countries to cooperate - on a whole range of issues. And yet both sides are also competing against each other, economically, politically and, increasingly, in the military sphere.

The US's "pivot to Asia," in which it is re-focusing (or "re-balancing, as Washington puts it) its military power towards the Pacific, has caused concern in China. Similarly, increased Chinese military spending and a more aggressive approach in various territorial and maritime disputes with its neighbours has worried Washington. There are other disagreements between the two major powers too - over economic policy, for example, or cyber spying. On North Korea, though, which has long been one of the most critical flashpoints in the world, both Beijing and Washington now seem to be largely in agreement. So is the relationship between the world's two most powerful countries going to be one of competition or cooperation?

Mark Mardell, the BBC's North America Editor, travels to China and to the border with North Korea to see how the

intertwining relationship between the American eagle and the Chinese dragon is likely to develop. How it does will define the world we and our children live in.

**SUN 17:40 Profile (b039ysbw)**

[Repeat of broadcast at 19:00 on Saturday]

**SUN 17:54 Shipping Forecast (b039xmhh)**

The latest shipping forecast.

**SUN 17:57 Weather (b039xmhk)**

The latest weather forecast.

**SUN 18:00 Six O'Clock News (b039xmhm)**

The latest national and international news from BBC Radio 4.

**SUN 18:15 Pick of the Week (b039zdvr)**

What does Britain mean to you? Is it a quaint old hostelry on the banks of the Thames? Or is it the land of tattoos and litter? On Pick of the Week this week we hear some amazing stories of human from a man who died six times and a woman who was branded by a killer. Presented by Frank Cottrell Boyce.

Programmes chosen:

Classic Serial: Three Men in a Boat - Radio 4  
A Mortal Work of Art - Radio 4  
Tattoo Series - BBC Radio Newcastle  
Witness: The Attica Prison Riot - World Service  
British Conservatism: The Grand Tour - Radio 4  
Celluloid Beatles - Radio 4  
The Choir - Radio 3  
One to One - Radio 4  
Outlook - World Service  
Surgical Cuts - Radio 4  
Lives in a Landscape - Radio 4  
John Finnemore's Souvenir Programme - Radio 4  
Journey of a Lifetime: Mum Says 'You're a Long Time Dead' - Radio 4

Produced by Louise Clarke.

**SUN 19:00 The Archers (b039zdvc)**

Ruth goes to show Pat the roses she's planning to enter for today's flower and produce show. But she finds they've been flattened - probably by one of Josh's friends at the party. Ruth can't stay cross at Josh for long, however. He offers to buy a new plant and has booked the family into the Mexican night at Grey Gables for David's birthday.

Helen and Rob flirt over the phone and Helen says she's lost an earring. Rob says he'll have a look for it and suggests that she might be seeing him sooner than she thinks.

Kathy arrives at the health club for a swim and is met by Lynda. They chat about Suzy Shen, who arrives and demands to swim alone - leaving Kathy and Lynda shocked. Later, Suzy calls Lynda to arrange an evening swim. Lynda tells her to ask Ray, as she doesn't have the authority to allow it.

At the show, Helen is mortified that Pat entered the necklace which Helen had bought from a craft shop - and it's won first prize. They bump into Rob, and Helen notices that Lynda is wearing the same necklace. It's frantic keeping Lynda away from the winning necklace, and Pat away from Lynda. Helen is grateful to Rob, promising to make it up to him later.

**SUN 19:15 Paul Sinha's Citizenship Test (b038n3dh)**

Episode 3

Paul Sinha is proudly British. He also loves a quiz. So you would have thought that the UK Citizenship Test, which newcomers to this country must pass to become citizens, would have been right up his street. But the questions in the 2012 and 2013 Home Office guides seem either bizarrely easy - "Where is Welsh most widely spoken?" - or infuriatingly vague - "What happened in the First World War?"

So Paul has created his own test, to better reflect the things that aspiring migrants should understand before they can call themselves British. In this third episode he looks at British culture - newspapers, TV, art and film. He tests the studio audience on their knowledge, with those that answer incorrectly being deported; he also offers up ten pounds of his own money to anyone in the audience who can correctly identify an artist that the Home Office think all new immigrants should be aware of.

The series intertwines the sort of comedy Paul has become known for on The Now Show, The News Quiz, and Fighting Talk, as well as his own Radio 4 shows The Sinha Test and The Sinha Games, and the command of facts and figures he

demonstrates on the ITV quiz The Chase, with a dash of the patriotism that has seen him banned from the bar at the United Nations.

Written and performed by Paul Sinha.  
Producer: Ed Morrish.

**SUN 19:45 Tales from the East (b039zdvf)**

The Mustard Car

Blake Morrison's short story set in a close-knit Suffolk village, in which tensions between locals and outsiders are mounting.

This is the last in a series of stories taking their inspiration from the coast of East Anglia.

Producer: Justine Willett

Writer: Blake Morrison is a British poet and author of both fiction and non-fiction, including 'And When Did You Last See Your Father?' which won the J. R. Ackerley Prize for Autobiography, and made into a film starring Jim Broadbent and Juliet Stevenson. He has also written a study of the James Bulger murder, 'As If'. Since 2003, Morrison has been Professor of Creative and Life Writing at Goldsmiths, University of London. He is a Fellow of the Royal Society of Literature. He is based partly in London and Suffolk.

Reader: Poppy Miller.

**SUN 20:00 More or Less (b039rwd0)**

How long can you wait to have a baby?

How long can you wait until you try to have a baby?

Psychologist Jean Twenge argues that women in their late thirties shouldn't be as anxious about their prospects as is commonly assumed. She's been amazed to discover that key fertility statistics come from studies based on people who lived several hundred years ago - before electricity was even invented. Tim Harford and Hannah Barnes find fertility experts agree that the modern woman's prospects are better than is often thought.

The economy's turning a corner, the Chancellor George Osborne says. Is that the case? Tim Harford takes a closer look at the numbers.

Almost a quarter of men in some Asian countries admit rape, it's been reported. The headlines have been sparked by a UN report, which looks at violence against women in parts of Asia. Are the numbers of rapists really this high? Tim Harford and Ruth Alexander look into the detail of the study.

Russia is rumoured to have dismissed Britain as a 'small island' who no one listens to. But, Tim Harford discovers, we're actually rather large, as islands go.

"Africa has a drinking problem". So says Time Magazine. More or Less discovers a more mixed picture. As fact-checking website Africa Check has noted, a closer look at the figures shows wide variations between countries and that a large proportion of African people are teetotal. However, Tim Harford finds that the figures also suggest that those who do drink are drinking a lot.

Presenter: Tim Harford  
Producer: Ruth Alexander.

**SUN 20:30 Last Word (b039rwey)**

An inventor, an autogyro pilot, a photographer, a science fiction writer and a circus performer

Matthew Bannister on

Ray Dolby - the American engineer who invented the Dolby noise reduction systems which revolutionised our listening experience at home and in the cinema.

Wing Commander Kenneth Wallis the RAF bomber pilot who built and flew the autogyro in the James Bond film You Only Live Twice.

Frederick Pohl, the science fiction writer who also promoted the careers of many of his contemporaries. Brian Aldiss pays tribute.

And Lydia Gridneff who travelled the world as part of a circus family. Her son tells of touring Europe in a bus full of chimpanzees.

**SUN 21:00 Money Box (b039yp0m)**

[Repeat of broadcast at 12:00 on Saturday]

**SUN 21:26 Radio 4 Appeal (b039yz4n)**

[Repeat of broadcast at 07:55 today]

**SUN 21:30 In Business (b039rqqk)**

The Internet of Things

Six billion people worldwide already have mobile phones. Now the experts are talking about the coming Internet of Things: 50 billion interconnected objects, from cows to coffee machines. Peter Day asks what it means and how it may happen.

Producer: Laura Gray.

**SUN 22:00 Westminster Hour (b039zdvh)**

Preview of the week's political agenda at Westminster with MPs, experts and commentators. Discussion of the issues politicians are grappling with in the corridors of power.

**SUN 22:45 What the Papers Say (b039zdvk)**

Peter Hitchens of the Mail on Sunday analyses how the newspapers have covered the biggest stories, including BBC payoffs, diplomacy over Syria, abortion and Raquel Rolnik.

**SUN 23:00 The Film Programme (b039rqq5)**

Rush; Borrowed Time; Toronto Film Festival

Francine Stock explores the hits and misses from this year's Toronto International Film Festival with Tim Robey of the Daily Telegraph and Claire Binns, director of Programming and Acquisitions at the Picturehouse Group. They discuss their tips for the critical hits in the months ahead including 12 Years a Slave, August: Osage County and Under The Skin.

Frost/Nixon director Ron Howard and writer Peter Morgan are back together, this time for Rush, the story of Formula One rivals Niki Lauda and James Hunt. They explain why they were so intrigued by the men's relationship. Rush is a British independent film and its producer Andrew Eaton looks at how the world of film funding is changing.

Plus actor Phil Davis on Borrowed Time, a micro budget film about a pensioner's friendship with a teenage burglar. He describes how working with Mike Leigh on films such as Vera Drake has proved so inspirational for his technique.

**SUN 23:30 Something Understood (b039yz4g)**

[Repeat of broadcast at 06:05 today]

**MONDAY 16 SEPTEMBER 2013**

**MON 00:00 Midnight News (b039xmjk)**

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

**MON 00:15 Thinking Allowed (b039q5f7)**

Bohemian Soho

Bohemian Soho - Laurie Taylor talks to the writer, Sophie Parkin, about her book on the Colony Room Club, a private members bar whose doors opened in 1948 and shut in 2008. The only criterion for membership was that you weren't dull. For 60 years it played host to an assortment of offbeat and colourful characters from the fashionable to the criminal: the artist, Francis Bacon, rubbed shoulders with the gangster Kray twins. Eccentrics and misfits congregated and drank in a smoky, shabby room with sticky carpets. But what place does the Colony Room have within a wider history of Bohemian life? Professor of Cultural Studies, Elizabeth Wilson, joins the discussion.

Also, Melissa Tyler discusses her study of sales workers in Soho sex shops.

Producer: Jayne Egerton.

**MON 00:45 Bells on Sunday (b039yz4d)**

[Repeat of broadcast at 05:43 on Sunday]

**MON 00:48 Shipping Forecast (b039xmjp)**

The latest shipping forecast.

**MON 01:00 Selection of BBC World Service Programmes (b039xmjr)**

BBC Radio 4 joins the BBC World Service.

**MON 05:20 Shipping Forecast (b039xmjt)**

The latest shipping forecast.

**MON 05:30 News Briefing (b039xmjw)**

The latest news from BBC Radio 4.

**MON 05:43 Prayer for the Day (b03b9dwt)**

A spiritual comment and prayer to begin the day with the Revd Dr Janet Wootton.

**MON 05:45 Farming Today (b039zg27)**

Ever since the horsemeat scandal at the start of this year, the British meat industry has been urging consumers to buy British, and in particular to look for the Red Tractor logo. It's been reported that British meat sales have increased, as consumers have responded. But just how solid is the Red Tractor guarantee? Not infallible, it seems. A BBC investigation has discovered a pack of pork chops labelled as British - and with a Red Tractor logo - which were not produced in Britain, and in fact probably came from a Dutch farm. What does it mean for consumers?

And Farming Today visits the Kelso Ram Sales, as the tugging season gets underway.

Presented by Charlotte Smith and produced by Emma Campbell.

**MON 05:56 Weather (b039xmjy)**

The latest weather forecast for farmers.

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

Great Shearwater

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

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

**MON 06:00 Today (b039zg29)**

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

**MON 09:00 Start the Week (b039zg2c)**

Margaret Atwood's Dystopian Future

As Start the Week returns to Radio 4, Tom Sutcliffe talks to Margaret Atwood about her vision of the future. In the last of a trilogy of dystopian novels, Atwood charts the fortunes of a group of survivors after a man-made plague has devastated the world. There's more man-made corruption and savagery in Vicky Featherstone's first production as the new Artistic Director of the Royal Court Theatre: *The Ritual Slaughter of Gorge Mastromas* is a dark morality tale. But the philosopher A C Grayling goes back to the Greeks to explore the best of humanity - friendship.

Producer: Katy Hickman.

**MON 09:45 Book of the Week (b039zg2f)**

Sandra Hempel - *The Inheritor's Powder*: A Cautionary Tale of Poison, Betrayal and Greed

Episode 1

On the morning of Saturday 2nd of November 1833, the Bodle household sat down to their morning breakfast, sharing a pot of coffee. That evening, the local surgeon John Butler received an urgent summons - the family and their servants had all collapsed with a serious illness. Three days later, after lingering in agony, the wealthy grandfather George Bodle died in his bed at his farmhouse in Plumstead. The Bodels had been the victims of a terrible poisoning.

In the nineteenth century, criminal poisoning with arsenic was frighteningly easy. For a few pence and with few questions asked, it was possible to buy enough poison to kill off an entire family, hence arsenic's popular name - *The Inheritor's Powder*.

The surgeon John Butler had set about collecting the evidence that he hoped would bring the culprit to justice but, in the 1830s, forensic science was still in its infancy. Even diagnosing arsenic poisoning was a hit-and-miss affair.

So when a chemist named James Marsh was called as an expert witness in the case of the murder at Plumstead, he decided that he had to create a reliable test for arsenic poisoning, or the murders would continue and killers would be left to walk free. In so doing though he was to cause as many problems as he solved. Were innocent men and women now going to the

gallows?

Sandra Hempel, author of *The Inheritor's Powder*, is a medical journalist who has written for a wide variety of both popular newspapers and magazines and specialist publications, from the Mail on Sunday and *The Times* to *Nursing Times* and *BMA News*.

Abridged by Libby Spurrier

Director: David Blount

A Pier production for BBC Radio 4.

**MON 10:00 Woman's Hour (b039zg2h)**

Stevie Nicks; Women in Rwandan elections; Infertility funding

Stevie Nicks on her world tour with Fleetwood Mac and being reunited on stage with bandmate Christine McVie. Rwanda leads the world in the percentage of women in its parliament. As the country goes to the polls, we ask whether women might maintain their hold and how successful they are in influencing government policy. Columnist Cristina Odone and Claire Lewis Jones of Infertility Network UK discuss the funding of fertility treatment ahead of Radio 4's Costing the NHS programme. Why writer Al Smith decided to base this week's drama, *Life in the Freezer*, on the preparations of his mother for her death from ovarian cancer.

**MON 10:45 15 Minute Drama (b039zg2k)**

Al Smith - *Life in the Freezer*

For When I Am Gone

by Al Smith

The family that eats together, stays together or so believed June Cartwright, which is why she leaves behind a freezer full of food to guide her family through their grief following her death.

Directed by Sally Avens

At 66 June Cartwright finally lost her battle with Ovarian Cancer. She didn't fear death but what would happen to her family after she'd gone, for she knew she was the emotional glue that kept them together. For June, food was everything. A family that eats together, stays together.

June may have left behind her a husband and two children. What they will soon discover is that she also left behind fifty frozen meals, perfectly cooked to their tastes which serve to guide them through their grief, together. This series charts five meals, spread across six months during which the Cartwright family pull themselves apart, back together, and figure out how to move on after their mothers death.

Al Smith won the 2012 Wellcome Screenwriting Prize with his feature film *HALF LIFE*; he is currently writing the screenplay. Recently he script edited the BBC Natural History series *AFRICA* and wrote the narrative for the 90' single feature. He was the winner of the 2006 Pearson Playwriting Award and the Sunday Times Playwriting Award for a second time, with *RADIO*. In 2007 Al did the BBC Writers Academy and in 2008/9 wrote for *HOLBY* and *EASTENDERS* as well as theatre piece *THE BIRD* which received four star notices at Edinburgh Fringe Festival. Al co-created, exec-produced and wrote interactive teen-soap *THE CUT* for BBC Switch which ran to 3 series.

**MON 11:00 Lives in a Landscape (b039zg2m)**

Series 14

Freeminers in the Forest of Dean

Alan Dein meets the "free miners" of the Forest of Dean, still digging coal in their seventies. They're a dying breed, but one woman's attempt to join the club has stirred up strong feelings.

Once a major industry, coal mining in this corner of Gloucestershire is down to a handful of diehard individualists, who relish the freedom that comes from owning your own coal mine in the woods, and being answerable to no one.

"Free miners" have ancient birthrights that date back to Edward II - rights that have persisted through coal nationalisation, privatisation, and closure of almost the entire coal mining industry.

One man, Robin Morgan, is still digging coal at the age of 78. Robin tried to turn one of his mines into a tourist attraction, but got few visitors, lost a lot of money, and has now returned to doing what he loves best: hewing coal from narrow seams in much the same way as his ancestors did.

But tradition says that only men can be free miners. When Elaine Morman tried to become one, the miners still active were almost unanimously opposed. Mining is no job for a woman, they say, and in any case, Elaine is not a true miner, since she works in caves that are a tourist attraction, where she does not

dig coal, but scrapes small quantities of ochre for artists' pigments from the walls. Thanks to equality legislation, Elaine has succeeded in having her name entered on the free miners' roll, but is shunned by the male free miners.

So on the one hand, we have Robin, with his failed tourist mine and his deep attachment to tradition. On the other Elaine, with her successful tourist caves, and her determination to apply 21st century values to ancient customs. Who is the true free miner?

Producer: Jolyon Jenkins.

**MON 11:30 Reception (b039zg2p)**

Breaking the Rules

Reception is a sitcom about two men sitting behind a desk, starring Adrian Scarborough, Morwenna Banks and Amit Shah. Written by Paul Basset Davies.

Brian is very impressed by the expertise of the technician who comes to repair the agency's electronic entry system. Danny thinks he's a pillock. But when Clarissa arrives to inform them of a theft from the building, and the technician starts to chat her up, Brian changes his tune. He becomes convinced that the visitor is involved in the theft, and persuades Danny to help in an elaborate sting operation that will show Clarissa how wrong she is to trust the man.

Will Brian win back Clarissa's affections? And if he does, what on earth will he do with them?

Producer: Anna Madley

An Avalon Television production for BBC Radio 4.

**MON 12:00 You and Yours (b039zg2r)**

The Red Tractor label

How new tests can confirm the origin of British pork sold under the Red Tractor logo. You and Yours also takes a look at shared-ownership schemes and asks if it's now the only way that a family on an average income can afford their own home. And we talk about posh paint with names like "Elephant's Breath".

**MON 12:57 Weather (b039xmko)**

The latest weather forecast.

**MON 13:00 World at One (b039zg2t)**

National and international news. Listeners can share their views via email: wato@bbc.co.uk or on twitter: #wato.

**MON 13:45 The Ideas That Make Us (b03b0kfh)**

Series 1

Ideas

The Ideas That Make Us is a Radio 4 series which reveals the history of the most influential ideas in the story of civilisation, ideas which continue to affect us all today.

In this 'archaeology of philosophy', the award-winning historian and broadcaster Bettany Hughes begins each programme with the first, extant evidence of a single word-idea in Ancient Greek culture and travels both forwards and backwards in time, investigating how these ideas have been moulded by history and have impacted on history and the human experience. In this, the first programme of the series, Bettany investigates the idea of 'idea' with neuroscientist Professor Faraneh Vargha-Khadem, classicist Professor Paul Cartledge, historian Dr. Stephen Pigney and specialist in intellectual property law, Professor Tanya Aplin.

Other ideas examined in The Ideas that Make Us are desire, agony, fame, justice, wisdom, comedy, liberty, hospitality and peace.

Producer: Dixi Stewart.

**MON 14:00 The Archers (b039zdv)**

[Repeat of broadcast at 19:00 on Sunday]

**MON 14:15 Drama (b03b0q9m)**

Drone Pilots

By Robert Myers. Two night shift operators fly a drone from a trailer in the American desert. He's a much-decorated fighter pilot from rural Georgia, who has come out of retirement to make ends meet. She is a superstar gamer from New Jersey, who's just been recruited to the job of sensor.

They are working for a private corporation in New Mexico but are supervised by an imposing female Captain at a military base in Virginia, who gives them orders to stake out a family in

South Waziristan.

As they circle their target, the sixty plus pilot and the twenty year old female sensor argue about music, fighting and flying.

Sound Design ..... Scott Lehrer

Producer/Director: Judith Kampfner

A Corporation for Independent Media production for BBC Radio 4.

**MON 15:00 Round Britain Quiz (b03b0q9p)**

(1/12)

'In what way could a major Scottish river, a senior barrister, an area of well-trimmed grass, and Birkin's lover, be of material interest to a Nottingham smith?'

Tom Sutcliffe is in the chair for the first contest in the 2013 season of the much-loved cryptic quiz between UK regions. The first match pits The Midlands against Scotland, attempting to answer the programme's trademark questions which require lateral thinking across a wide field of knowledge, from literature, history, music and the natural world to current affairs and popular culture.

The series includes more selections than ever from listeners' own question ideas, which can be submitted by e-mail or via the programme's webpages.

Wales have dominated the contest in recent years, so the other teams will be going all-out to loosen the Welsh grip on the Round Britain Quiz title. The champion team will be the one that wins the greatest number of matches across the series.

Producer: Paul Bajoria.

**MON 15:30 The Food Programme (b039yz4z)**

[Repeat of broadcast at 12:32 on Sunday]

**MON 16:00 The Uncanny (b01k2bvn)**

It's that sense of unease or disquiet at the heart of ghost fiction and horror writing, the stuff of bad dreams when the familiar is suddenly strange, a feeling of a place being unsettlingly out of place. The uncanny is everywhere.

So why is it that the familiar, or that which is closest to home, can be so much more frightening to us than the truly exotic or unknown? Freud's extraordinary essay 'The Uncanny', from 1919, is like nothing else he wrote. It's a translation of the German 'unheimlich' meaning 'not homely' or 'a feeling of not being at home'. But the term itself is strange. In German its meaning can shift so 'uncanny/unheimlich' can be read, eerily, as 'homely but not at home' - a disquieting ambiguity.

Freud tries to unravel that sense of the 'uncanny' that he sees everywhere in popular art and culture: in the fiction of Poe and E.T.A. Hoffman, in life-like puppets and mannequins which for a second we think are real, in doppelgangers and doubles, in the strange feeling of getting lost in a familiar place.

He was arguably onto something. The uncanny really is discernable everywhere in fiction, film and art - from Mary Shelly to Asimov, from Invasion of the Body Snatchers to the Chapman Brothers. This atmospheric programme explores the power of the Uncanny in our culture - in all its strange, unsettling manifestations.

Presented by Hugh Haughton. Contributors include author AS Byatt, artists the Chapman Brothers, writer and actor Mark Gatiss and psychotherapist Adam Phillips.

Producer: Simon Hollis

A Brook Lapping production for BBC Radio 4 first broadcast in June 2012.

**MON 16:30 Beyond Belief (b03b0q9r)**

Sunni and Shia in Islam

At times in history religion can appear to be a destructive force. Today the current conflict in the middle-east is increasingly defined along sectarian lines. From Iraq where a thousand people were killed in sectarian violence in July, the highest monthly death toll for five years according to the UN; to Pakistan, where the minority Shia community has experienced repeated attacks by hard-line Sunni militant groups; to Syria where the ruling Alawite sect, an offshoot of Shia Islam, is embroiled in an increasing bloody civil war with the largely Sunni rebel forces.

A fault line has emerged throughout the middle-east dividing the region along Sunni and Shia lines. Where did this division within Islam occur and is it really the cause of these conflicts or merely being exploited for political gain?

Ernie Rea is joined by Murtaza Hussain, a Sunni Muslim, writer and journalist specialising in foreign policy and the Middle East. Dr Ali Al-Hilli is an Iraqi activist, lecturer and a Shia Muslim and Dr Carol Kersten, Senior Lecturer in the Study of Islam and the Muslim World, King's College London.

Producer: Catherine Earlam.

**MON 17:00 PM (b03b0q9t)**

Coverage and analysis of the day's news.

**MON 18:00 Six O'Clock News (b039xmk2)**

The latest national and international news from BBC Radio 4.

**MON 18:30 Just a Minute (b03b0q9w)**

Series 67

Episode 6

Nicholas Parsons invites Paul Merton, Stephen Mangan, Pam Ayres and Gyles Brandreth to talk for 60 seconds without hesitation, repetition or deviation.

Producer Katie Tyrrell.

**MON 19:00 The Archers (b03b0q9y)**

Shula is shopping in Ambridge Organics and chatting to Kirsty. She spots Darrell outside and dashes off. Helen comes into the shop to deliver yoghurts and confides in Kirsty that she's meeting Rob for lunch.

Helen finds Rob on the phone to Jess. He's stressed about some problem to do with their landlord in Hampshire. Miffed Helen decides to leave him to sort things out. As they are talking, Helen spots Alan and worries that they will be spotted, so Rob has to make a quick exit.

Helen pops into Ambridge Organics again and tells Kirsty about what happened. Kirsty raises her concerns that Helen will just get hurt, but Helen defends herself, feeling unsupported by her friend.

Shula catches up with Darrell, and takes him to Jaxx. They chat over lunch, and Shula's keen to know about Darrell's living arrangements. Darrell feels uncomfortable, and when Shula tries to persuade him to return to the Elms he storms off.

Shula tells Alan about her concerns. They discuss how they might help Darrell, and she reveals that she would like to have Darrell to stay with her. Despite his reservations, Alan says he will do all can to help, wishing Shula the best of luck.

**MON 19:15 Front Row (b03b0qb0)**

Derek Jacobi; Naomi Watts on Diana; Orphan Black

With Mark Lawson.

Sir Derek Jacobi's acting career spans half a century. As he publishes an autobiography, he reflects on his early desire to act, stage fright, and still wanting to surprise in his 70s.

Orphan Black is a new 10 part TV drama serial which focuses on human cloning. Sarah Manning is the anti-heroine, and orphan, who stumbles into an intriguing set of circumstances that force her to realise she's not alone. Novelist Nicholas Royle reviews.

Naomi Watts discusses playing Diana, Princess of Wales, in a film which covers the final two years of her life and her relationship with Dr Hasnat Khan. She talks about preparing for the role, the problems associated with telling Diana's story and the balance between real life events and an artistic interpretation of them.

Producer Ekene Akalawu.

**MON 19:45 15 Minute Drama (b039zg2k)**

[Repeat of broadcast at 10:45 today]

**MON 20:00 Costing the NHS (b03b0qb2)**

This summer NHS England called for a public debate to find ways of renewing and revitalising the NHS. One of the widely reported claims in its report "The NHS belongs to the people: a call to action" was that continuing with the current model of care in England could lead to a funding gap of around £30bn by 2020/21.

In this special programme, Julian Worricker looks at the growing demands on the health service in the UK, the willingness of the public to fund a service that meets those demands and the scope for savings without compromising care. Can the UK afford a health service that follows the NHS core

principles: one that meets the needs of everyone, is free at the point of delivery and is based on clinical need, not ability to pay?

Joining Julian are:

Prof John Appleby, chief economist, the Kings Fund, Christina McAnea, UNISON head of health, Don Redding, policy director, National Voices, Dr Mark Porter, chair of the BMA ruling council, Stephen Dorrell MP, chair, Health Select Committee, Tony Whitfield, director of finance, Salford Royal NHS Foundation and president of HFMA, Sandie Keene, president, Association of Directors of Adult Social Services, Andrew Dillon, chief executive, NICE, Karen Taylor, research director, Deloitte UK Centre for Health Solutions, Dr Clare Gerada, chair, RCGP, Anita Charlesworth, chief economist, Nuffield Trust, Chris Hopson, chief executive, Foundation Trust Network, Christoph Lees, obstetrician, founder of Doctors Policy Research Group, Andrew Haldenby, director, Reform and Sir David Nicholson, chief executive, NHS England.

Presenter: Julian Worricker

Producer: Simon Tillotson

Editor: Andy Smith.

**MON 21:58 Weather (b039xmk4)**

The latest weather forecast.

**MON 22:00 The World Tonight (b03b0sl5)**

Weapons inspectors in Syria say chemical weapons have been used. Washington Navy yard shooting: the latest. Liberal Democrats debate the economy. Should there be a public debate about wearing the veil? With Roger Hearing.

**MON 22:45 Book at Bedtime (b03b0sl7)**

Jonathan Coe - Expo 58

Episode 6

London, 1958: unassuming civil servant Thomas Foley is plucked from his desk at the Central Office of Information and sent on a six-month trip to Brussels. His task: to keep an eye on The Britannia, a brand new pub which will form the heart of the British presence at Expo 58 - the biggest World's Fair of the century, and the first to be held since the Second World War.

As soon as he arrives at the site, Thomas feels that he has escaped a repressed, backward-looking country and fallen headlong into an era of modernity and optimism. He is equally bewitched by the surreal, gigantic Atomium, which stands at the heart of this brave new world, and by Anneke, the lovely Flemish hostess who meets him off his plane.

But Thomas's new-found sense of freedom comes at a price: the Cold War is at its height, the mischievous Belgians have placed the American and Soviet pavilions right next to each other - and why is he being followed everywhere by two mysterious emissaries of the British Secret Service?

Expo 58 may represent a glittering future, both for Europe and for Thomas himself, but he will soon be forced to decide where his public and private loyalties really lie.

CREDITS:

READER: TIM MCINNERNY

EXPO 58  
BY JONATHAN COE

ABRIDGED BY LIBBY SPURRIER

PRODUCED BY JOANNA GREEN.

**MON 23:00 Fry's English Delight (b03b0sl9)**

Series 6

WTF

In a special late night Fry's English Delight, Stephen Fry and guests ponder the history, culture and legality of "The F word". With the help of language expert Professor Geoffrey Hughes we trace it back to the thirteenth century, when it was fairly harmless, and chart its progress to the present day. What makes the history of the word interesting if not difficult is that there was always a taboo about writing it down. Many explanations about the provenance of the word, like Fornicate Under

Command of the King, are entertainingly off-target.

Denis Norden, present when it was first used on live television in 1965, remembers an even more shocking example from his teenage years in the 1930s; Graham Linehan, co-creator of Father Ted tells a story about the Irish word "feck", which he says is less offensive than it sounds. Meanwhile Kathy Burke reflects on how the English F word is used and misused today.

Stephen's guests discuss the word in its sexual context and whether less "aggressive" forms are preferable. They also talk about its changing level of taboo. Geoffrey Robertson adds a legal perspective, reflecting on the word's prominence in the Lady Chatterley Trial and its current legal status. And lexicographer Jesse Sheidlower guides us through his own lexicon, The F Word, commenting on the versatility of the word and the diversity of uses to which it has been put.

Producer: Nick Baker  
A Testbed production for BBC Radio 4.

#### MON 23:30 You Must Take the A Train (b01k2f7s)

New Yorker columnist and author Adam Gopnik confesses to 'a perverse love' of his city's subway system. In particular, he likes the two hour run of the A train from the tip of Manhattan to the Atlantic Ocean in the outer borough of Queens.

Along the way he encounters vendors, preachers, rappers, beggars and the homeless passengers who live in the subway cars and in the tunnels.

As a jazz lover, he celebrates Duke Ellington and Billy Strayhorn's song as an anthem of black migration, which imitates the sound of the train and insists:  
"You must take the A train  
To go to Sugar Hill way up in Harlem."

In 1932 punters queued to take the first A train ride as it went express along the west side of the city. It opened up suburbs, with a fast commute for workers in the Garment District, Times Square and in the offices and restaurants of Midtown. It also linked the dynamic established community of Harlem with the newer black neighbourhoods in Brooklyn.

Gopnik admits to enjoying the graffiti that spread across the subway cars in the seventies and eighties but acknowledges that this was a sign of how New York had lost control. Since most New Yorkers don't own a car and the subway is the artery of a city, that dysfunctional slide was disastrous.

It's only in the last fifteen years that the system has become safe and comparatively pleasant again. For a reporter like Gopnik, it's a perfect way to indulge in people watching and the best subway line to get a real sense of the city. However, depending on your mood, it can either be enervating or profoundly depressing, because it still reveals the seedy, aggressive, desperate and heartbreaking side of New York.

Producer: Judith Kampfner  
A Corporation For Independent Media production for BBC Radio 4.

#### TUESDAY 17 SEPTEMBER 2013

##### TUE 00:00 Midnight News (b039xmkz)

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

##### TUE 00:30 Book of the Week (b039zg2f)

[Repeat of broadcast at 09:45 on Monday]

##### TUE 00:48 Shipping Forecast (b039xm1)

The latest shipping forecast.

##### TUE 01:00 Selection of BBC World Service Programmes (b039xml3)

BBC Radio 4 joins the BBC World Service.

##### TUE 05:20 Shipping Forecast (b039xm5)

The latest shipping forecast.

##### TUE 05:30 News Briefing (b039xm17)

The latest news from BBC Radio 4.

##### TUE 05:43 Prayer for the Day (b03b0wmb)

A spiritual comment and prayer to begin the day with the Revd Dr Janet Wootton.

##### TUE 05:45 Farming Today (b03b0wmd)

After the news that a pack of pork bought by a BBC reporter, and marked with the Red Tractor logo, was probably from a Dutch farm - we ask where this leaves both British farmers and the integrity of the assurance scheme itself. Could the test results actually be a blessing in disguise?

Tupping season is underway - but there's a lot more to it than just putting rams in with ewes and leaving them to get on with it. We find out about the mysteries of breeding sheep.

And Anna Hill meets the scientists, growers, processors, merchants and retailers hoping to join forces and establish a new "food hub" in Norfolk.

Presented by Anna Hill. Produced by Emma Campbell.

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

Hobby

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

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

##### TUE 06:00 Today (b03b0wmg)

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

##### TUE 09:00 The Life Scientific (b03b0wmj)

Ian Stewart

Ian Stewart, Professor of Maths at Warwick University, has had a dual career as a research mathematician and as a populariser. He wrote his first book for a general audience - on chaos theory - over thirty years. He's also the author of short stories and novels of science fiction, and of the Science of Discworld series.

Ian Stewart talks to Jim al-Khalili about his life, including his research into applying mathematics to problems of biology and how he communicates the ideas of number and maths to the general public.

##### TUE 09:30 One to One (b03b0wml)

Carolyn Quinn speaks to Gillian Duffy

As a Radio 4 presenter, covering a range of stories everyday, Carolyn Quinn interviews people while the story is live but rarely gets the chance to find out what happened next.

For these editions of One to One, Carolyn wanted to find out what happens to individuals who've found themselves in the media spotlight and have had to live with intense, unsolicited scrutiny. How do they cope once the media caravan has moved on and they have to try to get on with their lives?.

In this, her second interview, Carolyn hears from the woman who hit the headlines during the general election campaign of 2010 when Gordon Brown infamously called her a "bigoted woman". That remark, and the subsequent apology from the then Prime Minister, made Gillian Duffy a household name. Three years on, Carolyn Quinn talks to Gillian Duffy to find out how she dealt with persistent doorstep newsounds, how she regards the experience now and whether her relationship with the Labour party survived the experience.

Producer: Karen Gregor.

##### TUE 09:45 Book of the Week (b03b965w)

Sandra Hempel - The Inheritor's Powder: A Cautionary Tale of Poison, Betrayal and Greed

Episode 2

On the morning of Saturday 2nd of November 1833, the Bodle household sat down to their morning breakfast, sharing a pot of coffee. That evening, the local surgeon John Butler received an urgent summons - the family and their servants had all collapsed with a serious illness. Three days later, after lingering in agony, the wealthy grandfather George Bodle died in his bed at his farmhouse in Plumstead. The Bodels had been the victims of a terrible poisoning.

In the nineteenth century, criminal poisoning with arsenic was frighteningly easy. For a few pence and with few questions asked, it was possible to buy enough poison to kill off an entire family, hence arsenic's popular name - The Inheritor's Powder.

The surgeon John Butler had set about collecting the evidence

that he hoped would bring the culprit to justice but, in the 1830s, forensic science was still in its infancy. Even diagnosing arsenic poisoning was a hit-and-miss affair.

So when a chemist named James Marsh was called as an expert witness in the case of the murder at Plumstead, he decided that he had to create a reliable test for arsenic poisoning, or the murders would continue and killers would be left to walk free. In so doing though he was to cause as many problems as he solved. Were innocent men and women now going to the gallows?

Sandra Hempel, author of The Inheritor's Powder, is a medical journalist who has written for a wide variety of both popular newspapers and magazines and specialist publications, from the Mail on Sunday and The Times to Nursing Times and BMA News.

Abridged by Libby Spurrier  
Director: David Blount  
A Pier production for BBC Radio 4.

##### TUE 10:00 Woman's Hour (b03b0wmn)

Teenage reading; Inheritance law; Antarctic commander; Botox and incontinence

The Commander of the base at the British Antarctic Survey, Agnieszka Fryckowska, talks to Jane Garvey about life on the ice shelf and surviving two months without sunshine. We hear the latest in a campaign calling to end the "outdated and manifestly unfair" laws of succession. The Countess of Clancarty joins Jane in the studio. NICE has approved the use of Botox injections as a treatment for urinary incontinence. How significant is this new treatment and who is it most likely to help? A new book by Joanna Strober argues that couples need to share housework **50:50** in order for women to succeed in their careers. And what are teenage girls reading?

##### TUE 10:45 15 Minute Drama (b03b0wmq)

Al Smith - Life in the Freezer

Venison Stew

by Al Smith

Leonard's birthday brings his children back home for a family meal, but he is finding it hard to cope on his own.

Directed by Sally Avens

At 66 June Cartwright finally lost her battle with Ovarian Cancer. She didn't fear death but what would happen to her family after she'd gone, for she knew she was the emotional glue that kept them together. For June, food was everything. A family that eats together, stays together. June may have left behind her a husband and two children. What they will soon discover is that she also left behind fifty frozen meals, perfectly cooked to their tastes which serve to guide them through their grief, together.

The series charts five meals, spread across seven months during which the Cartwright family pull themselves apart, back together, and figure out how to move on after their mothers death.

##### TUE 11:00 Shared Planet (b03b0wms)

Wildlife Aliens and Diseases

Does the increase in human population mean more diseases for domestic and wild animals and plants? As trade between different countries and continents increases we move more animals and plants around the world. With them go diseases that can be devastating for local wildlife. Ash die-back and the Varroa mite on bees are two recent examples that are causing real concern. Monty Don explores how our need for worldwide trade is carrying pests and diseases to places where there is no resistance.

The Varroa mite is an Asian species that has lived on the Asian variety of honey bee (Apis cerana) without causing too much damage to a colony. Where it has evolved it breeds only on male bees and, as they are not as numerous as females in a colony, it has little effect on the hive. Man moved colonies of the European honey bee (Apis mellifera) to Asia, and at some point in the last century the mite 'jumped species' onto the European honey bee. In European hives the mites can breed in the cells of worker bees. This alters the population dynamics of the mites and they multiply out of control so that - without human intervention - the colony will die. Varroa has now spread across the globe, reaching the UK in 1992. There are now very few wild colonies of honey bees left in the UK - they have been largely wiped out by the introduced Varroa mite and the viruses it transmits.

What can be done? Do we have a plan to stop this happening again and can we foresee what the next crisis will be?



**TUE 11:30 Nightingales of India (b0210p18)**

This is the remarkable story of two iconic sisters revered by Bollywood fans the world over. Lata Mangeshkar and Asha Bhosle are two of the finest and most prolific female vocalists in the business. They are playback singers extraordinaire - providing the singing voices of generations of film actresses.

Yasmin Alibhai-Brown tells the story of the sisters from a humble background parallels the story of Bollywood and of India itself.

Known as the 'nightingales of India', they have forged careers spanning more than six decades. One or the other of them is rarely out of the record books as the most recorded artist in the world.

The sisters were born into a theatrical family. Lata, the older of the two, who is interviewed in the programme was left, at the age of thirteen, to support the whole family. After much hardship she got her big break and, just as the Hindi film industry was taking off at the end of the thirties, a star was born. Now in her 80s, despite her fame and fortune, she leads a quiet, simple life and remains unmarried. Her younger sister Asha, now in her eighties too, was far from shy and retiring. Teenage elopement, affairs and divorce make her the dangerous half of the duo. She too made it to the top.

Everyone who is anyone in Bollywood has worked with or is familiar with the sisters' work. And the programme includes a rare interview with Lata Mangeshkar herself.

Please note: at one point, the presenter refers to Lata and Asha's audience as being in "south east asia". This should be an audience in "south asia".

Producer: Mohini Patel

First broadcast on BBC Radio 4 in June 2013.

**TUE 12:00 You and Yours (b03b0wmv)**

Call You and Yours: Costing the NHS

What should the NHS look like in the future?

NHS England says that if the current model of care continues in England there could be a funding gap of around £30bn between now and 2021. They are calling for a public debate to find ways of renewing and revitalising the NHS. But, can the UK still afford a health service that's free at the point of use?

We want your views: what do you want from a national health service in the future . . .

Would you be prepared to pay for some of the things the NHS currently provides for free?

Are there services which you think the NHS should stop providing altogether?

Or should we just accept that we will have to pay more for a national health service, which is free at the point of use, in the future?

In 'Costing the NHS' Julian hears from those who run the NHS and the bodies which represent doctors, nurses and social services. On Call You and Yours Julian wants your views. Are you a doctor, a nurse, or someone who uses the NHS regularly?

Email youandyours@bbc.co.uk, tweet #youandyours text 84844 or call 03700 100 444.

Presenter: Julian Worricker

Producer: Joe Kent.

**TUE 12:57 Weather (b039xml9)**

The latest weather forecast.

**TUE 13:00 World at One (b03b0wmx)**

National and international news. Listeners can share their views via email: wato@bbc.co.uk or on twitter: #wato.

**TUE 13:45 The Ideas That Make Us (b03b0wmz)**

Series 1

Fame

The Ideas That Make Us is a new Radio 4 series which reveals the history of the most influential ideas in the story of civilisation, ideas which continue to affect us all today.

In this 'archaeology of philosophy', the award-winning historian and broadcaster Bettany Hughes begins each programme with the first, extant evidence of a single word-idea in Ancient Greek culture and travels both forwards and backwards in time, investigating how these ideas have been moulded by history and have impacted on history and the human experience. In this, the second of five programmes, Bettany investigates the idea of

fame with philosopher Angie Hobbs, British Museum curator Dr Irving Finkel, historian Stella Tillyard and YouTuber Benjamin Cook.

Other ideas examined in the first series are desire, agony, fame and justice. Wisdom, comedy, liberty, peace and guest-host friendship will be explored in January 2014.

Producer: Dixi Stewart.

**TUE 14:00 The Archers (b03b0q9y)**

[Repeat of broadcast at 19:00 on Monday]

**TUE 14:15 Drama (b03b0wn1)**

The Magnificent Andrea

Andrea has quietly passed away. But there's going to be hell to pay at her funeral. Nigel Planer writes and also co-stars with Roger Allam in this comedy-drama about the personality clash between two former lovers of an inspirational woman both utterly worshipped.

The Magnificent Andrea is the first original radio play by Nigel Planer, famous for appearances in drama and comedy on television and the West End. He has created two wonderful characters, both in love with the same woman - Andrea, who has just - tragically - died. Her former husband, boozy columnist Barry is at the tail end of a career marked by low achievement in pugnacious, snide journalism. Nigel was Andrea's recent partner until her sudden death: an alternative but ultra-orthodox, politically-correct naturopath.

Directed by Peter Kavanagh.

**TUE 15:00 Making History (b03b0wy1)**

Tom Holland is joined in the Making History studio by Dr Matt Pope from the Institute of Archaeology, University College London and from Luton by Mark Thomas who is Professor of Evolutionary Genetics at University College London.

Today's programme has just a touch of Disney. But we're not at the movies - rather under the English Channel, exploring the role played by Dumbo, Bambi and Pluto in the Allied invasion of France in 1944 and finding out that these pipelines might not have been as successful in delivering fuel after the invasion of France than the history books tell us.

We explore the history of milk. It's something that we take for granted but, in fact, the ability to drink milk into adulthood is something that only some 35% of humans possess. Its origins lie in a genetic mutation that first began spreading through Europe some 7,500 years ago. The consequences were far-reaching - Europe's very first revolution. The hunter-gatherer lifestyle that had dominated the continent since the first arrival of Cro-Magnon man was swept away, and an imprint stamped on diet and population that is still evident to this day. Mark Thomas has recently explored this fusion of genetics and archaeology in Nature Magazine.

We head to Wiltshire to study records from nearly two centuries ago which show that, back then even more than today, the debate about welfare was as much about morality as economics.

And we hear about a new project devoted to the First World War, which could give a whole new meaning to bible studies.

Contact the programme: making.history@bbc.co.uk

Produced by Nick Patrick

A Pier production for BBC Radio 4.

**TUE 15:30 Costing the Earth (b03b0ydt)**

Sharks Attacked

Ever since the film 'Jaws' hit the big screen, sharks have been portrayed as aggressive, indiscriminate killers. But in reality there are only a handful of deaths as a result of shark attacks each year, whilst around 70 million sharks are killed by humans, pushing many species to the brink of extinction.

There are over 30 species of shark living in UK waters, but many are under threat.

From the small, lesser known 'smooth-hounds' that are a couple of feet long, up to the larger species (blues and basking sharks are both regular visitors to our shores), they all face the pressure of being caught as by-catch. A legal loophole also means many sharks are at risk from having their fins sliced off to feed the demand for the delicacy 'shark fin soup'. They are also in demand for use in Chinese medicines.

So what can be done to ensure these enigmatic sea creatures can be protected, and should they be?

Miranda Krestovnikoff dons her wetsuit to take a closer look at the big fish living around the UK coast.

Presenter: Miranda Krestovnikoff

Producer: Martin Poyntz-Roberts.

**TUE 16:00 Document (b03b0ydw)**

Mike Thomson explores the implications of a secret CIA report made in the 1960s that suggested British and American diplomatic cables and reports were being decrypted by the Japanese with the help of an American Cryptologist. He tells the story of the colourful founder of American Cryptology, Herbert O Yardley. Yardley's publication of a book explaining his cryptographic success, particularly against the Japanese was a cause celebre in 1931. However, new documents coming to light suggest that Yardley's work for the Japanese continued long after, and that he may have been involved in deciphering British and American diplomatic messages giving the Japanese a clear understanding of the lack of preparedness for the attacks on Pearl Harbour and Singapore.

Producer - Tom Alban.

**TUE 16:30 Great Lives (b03b0ydy)**

Series 31

Konnie Huq on Ada Lovelace

TV presenter Konnie Huq chooses the mathematician and daughter of Lord Byron, Ada Lovelace. With Matthew Parris.

From Banking, to air traffic control systems and to controlling the United States defence department there's a computer language called 'Ada' - it's named after Ada Lovelace - a 19th century mathematician and daughter of Lord Byron. Ada Lovelace is this week's Great Life. She's been called many things - but perhaps most poetically by Charles Babbage whom she worked with on a steam-driven calculating machine called the Difference Engine an 'enchantress of numbers', as her similarly mathematical mother had been called by Lord Byron a "princess of parallelograms". Augusta 'Ada' Byron was born in 1815 but her parents marriage was short and unhappy; they separated when Ada was one month old and she never saw her father, he died when she was eight years old. Her mother, Annabella concerned Ada might inherit Byron's "poetic tendencies" had her schooled her in maths and science to try to combat any madness inherited from her father.

She's championed by TV presenter and writer - Konnie Huq, most well known for presenting the BBC's children's programme - 'Blue Peter' and together with expert - Suw Charman-Anderson, a Social technologist, they lift the lid on the life of this mathematician, now regarded as the first computer programmer with presenter Matthew Parris.

Producer : Perminder Khatkar.

First broadcast on BBC Radio 4 in September 2013.

**TUE 17:00 PM (b03b0yf0)**

Coverage and analysis of the day's news.

**TUE 18:00 Six O'Clock News (b039xml)**

The latest national and international news from BBC Radio 4.

**TUE 18:30 John Finnemore's Souvenir Programme (b03b0yf2)**

Series 3

Episode 3

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 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 addition or how goldfish invented computer programming, and concentrate instead on the the big, serious issues.

This third episode of the series features a song about an unheralded inventor, a touching reunion and a normal man.

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

Producer: Ed Morrish.

**TUE 19:00 The Archers (b03b0yf4)**

At Grey Gables, Brian ogles Suzy Shen, although Lynda makes it clear what a demanding guest she is. Ray introduces himself to Brian, who leaves, allowing Ray and Lynda to finalise the Mexican evening.

Over a drink, Brian bigs up the mega dairy. Matt talks airily about his Russian exploits and praises Anthea. Ray and Suzy flirting nearby until Ray's furious wife Harriet storms in. Ray squirms as Harriet reveals that this isn't his first encounter with Suzy, who is not a journalist. Harriet leaves him with an ultimatum - he must choose one of them.

Alistair arrives home for dinner, and Shula broaches the topic of Darrell staying with them. They argue and Alistair leaves, saying he has a lot of work to do. Later, when Alistair has calmed down, he and Shula discuss matters, and agree that Darrell can stay.

Harassed Ray retires to his room, leaving Lynda with orders not to be disturbed. She asks him for details of the Mexican evening but he leaves, telling her that he doesn't give a damn.

**TUE 19:15 Front Row (b03b0yf6)**

Sting: Australian art at the Royal Academy

With John Wilson.

Sting discusses The Last Ship, his latest album and the first original material he has released for nearly a decade. Based on Sting's experiences growing up in a shipbuilding community on Tyneside, The Last Ship is a narrative about the demise of the industry seen through the eyes of a range of characters. Sting talks about the autobiographical element of the songs, and how he is writing a Broadway musical about the same subject, which is due to open next year.

Australia, at the Royal Academy in London, is the first major survey of Australian art in the UK for over 50 years, and includes work by early 19th century settlers, aboriginal artists, impressionists, and 20th century painters such as Sidney Nolan. Charlotte Mullins reviews.

Front Row announces the winner of Gramophone magazine's Recording Of The Year 2013, and John talks to the winning artist.

Producer Rebecca Nicholson.

**TUE 19:45 15 Minute Drama (b03b0wmq)**

[Repeat of broadcast at 10:45 today]

**TUE 20:00 File on 4 (b03b0yf8)**

What Price Cheap Clothes?

Will the Rana Plaza factory tragedy mean Bangladeshi garment workers no longer have to work in death traps? It's five months on from the collapse of the 8 storey building in Dhaka, in which more than a thousand workers died, and several thousand lost arms or legs or were paralysed. Jane Deith reports from Dhaka on what's happened since. Just how much medical and financial help have survivors and families of the dead received?

Campaigners said the disaster should be a "game changer" in forcing international brands who source cheap clothes in Bangladesh to take more responsibility for conditions within the factories they use. Safety inspections of hundreds of premises are due to begin in earnest. But the Western manufacturers are split on who should pay for expensive improvements - the clothing brands or the factory owners? It's estimated that it could cost \$3bn to bring all the factories up to scratch.

But there are those who argue that Western shoppers who buy the cheap clothes, and the brands that sell them, don't deserve all the blame. The Bangladeshi government continues to limit the power of trade unions and is accused of failing to act against powerful manufacturing bosses when people die in their factories.

The safety campaigners agree that Western brands pulling out of Bangladesh would be the worst result for the country's four million garment workers and the families who rely on their earnings.

So is it possible to keep them in work and keep them safe?

Producer: Sally Chesworth.

**TUE 20:40 In Touch (b03b0yqd)**

Breastfeeding feedback; mobile apps; Mount Snowdon

Peter White talks to Lee Kumutat about some of the latest apps favoured by visually-impaired people and Tom Walker joins a group of blind and partially-sighted walkers, as they ascend Mount Snowdon.

Listeners give their feedback to last week's coverage of the issues faced by blind Mothers trying to breastfeed their babies.

**TUE 21:00 Seven Ages of Science (b03b0yqg)**

Age of Now

Lisa Jardine explores what's driving science in the 21st century: curiosity, politics, profit or PR?

**TUE 21:30 The Life Scientific (b03b0wmj)**

[Repeat of broadcast at 09:00 today]

**TUE 21:58 Weather (b039xmf)**

The latest weather forecast.

**TUE 22:00 The World Tonight (b03b0yyy)**

A year away from the Scottish independence referendum, a special programme from Glasgow.

**TUE 22:45 Book at Bedtime (b03b0yz0)**

Jonathan Coe - Expo 58

Episode 7

London, 1958: unassuming civil servant Thomas Foley is plucked from his desk at the Central Office of Information and sent on a six-month trip to Brussels. His task: to keep an eye on The Britannia, a brand new pub which will form the heart of the British presence at Expo 58 - the biggest World's Fair of the century, and the first to be held since the Second World War.

As soon as he arrives at the site, Thomas feels that he has escaped a repressed, backward-looking country and fallen headlong into an era of modernity and optimism. He is equally bewitched by the surreal, gigantic Atomium, which stands at the heart of this brave new world, and by Anneke, the lovely Flemish hostess who meets him off his plane.

But Thomas's new-found sense of freedom comes at a price: the Cold War is at its height, the mischievous Belgians have placed the American and Soviet pavilions right next to each other - and why is he being followed everywhere by two mysterious emissaries of the British Secret Service?

Expo 58 may represent a glittering future, both for Europe and for Thomas himself, but he will soon be forced to decide where his public and private loyalties really lie.

CREDITS:

EXPO 58  
BY JONATHAN COE

BOOK AT BEDTIME: Monday 9 - Friday 13 September 2013 and Monday 16 - Friday 20 September 2013

READER: TIM MCINNERNY  
ABRIDGED BY LIBBY SPURRIER

PRODUCED BY JOANNA GREEN  
A Pier production for BBC Radio 4.

**TUE 23:00 Detective Sergeant Nick Mohammed (b03b0yz2)**

Series 2

Fugitive

Detective Sergeant Nick Mohammed is on the trail of a dangerous fugitive.

Series two of the critically acclaimed sitcom written and performed by Nick Mohammed.

As ever, he is assisted by long suffering constables Anna Crilly and Colin Hoult

With Margaret Cabourn-Smith and Will Andrews.

Script Editor: Johnny Sweet

Producers: Tilusha Ghelani and Victoria Lloyd.

First broadcast on BBC Radio 4 in September 2013.

**TUE 23:30 The Philosopher's Arms (b037hmy3)**

Series 3

Free Riders

Pints and philosophical puzzles with Matthew Sweet. Each week Matthew goes to the pub to discuss a knotty conundrum

with an audience and a panel of experts. Free will, exploitation, sex, sexism, blame and shame are just some of the topics to be mulled over in this series of The Philosopher's Arms.

We look at the issue of 'free-riding', with Oxford philosopher Roger Crisp.

Producer: Estelle Doyle.

**WEDNESDAY 18 SEPTEMBER 2013****WED 00:00 Midnight News (b039xmmq)**

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

**WED 00:30 Book of the Week (b03b965w)**

[Repeat of broadcast at 09:45 on Tuesday]

**WED 00:48 Shipping Forecast (b039xmmx)**

The latest shipping forecast.

**WED 01:00 Selection of BBC World Service Programmes (b039xmmv)**

BBC Radio 4 joins the BBC World Service.

**WED 05:20 Shipping Forecast (b039xmmx)**

The latest shipping forecast.

**WED 05:30 News Briefing (b039xmmz)**

The latest news from BBC Radio 4.

**WED 05:43 Prayer for the Day (b03b29zf)**

A spiritual comment and prayer to begin the day with the Revd Dr Janet Wootton.

**WED 05:45 Farming Today (b03b29zh)**

By the end of next year, the labelling of fresh lamb, pork, poultry and goat in supermarkets is likely to change. The European Commission wants to extend the more detailed labelling currently used for fresh beef - which tells you where the animal was born, reared and slaughtered. How exactly those labels will change is currently being debated among the 28 EU member states.

Also on Farming Today, the company behind the proposed high speed rail link is re-evaluating the amount of compensation it plans to give property owners on the route between London and Birmingham. It follows a challenge to HS2's initial package in the courts. Now under new proposals, the company is offering a new option which could increase the amount of compensation paid for some properties within 120 metres of the line.

And a company planning to build one of the biggest mines in Britain within the North York Moors National Park has announced that full details of the environmental impact won't be ready until next summer - nearly a year later than planned.

Presented by Anna Hill. Produced by Anna Varle.

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

Turnstone

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

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

**WED 06:00 Today (b03b29zk)**

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

**WED 09:00 Midweek (b03b29zp)**

Ava Astaire, Michael 'Mini' Cooper, Franc Roddam, Doug Allan, Ewan Clayton

Libby Purves meets Fred Astaire's daughter. Ava; wildlife cameraman Doug Allan; writer Michael 'Mini' Cooper with filmmaker Franc Roddam and calligrapher Ewan Clayton.

Doug Allan is a wildlife photographer and cameraman. Twice

winner of the Polar Medal, he's worked on a range of BBC series including Blue Planet, Planet Earth and Frozen Planet. David Attenborough has described him as 'the toughest in the business.' Doug is touring the UK with his personal recollections of filming in some of the most inhospitable places in the world.

Michael 'Mini' Cooper is the author of Mini and Me, a book about his life in care and his relationship with filmmaker Franc Roddam. Mini was a troubled child. At nine he set fire to the family home and spent 38 years in and out of jails, secure mental health units and halfway houses. In 1975 Franc directed a BBC documentary featuring 11-year-old Mini which was the start of their enduring friendship. Mini and Me is published by Ziji Publishing.

Former monk Ewan Clayton is a calligrapher and professor in design at the University of Sunderland. He is also co-director of the International Research Centre for Calligraphy. His book, The Golden Thread, tells the history of the written word from simple representative shapes to record goods and animals in ancient Egypt to drop-down menus on a macbook Pro. The Golden Thread is published by Atlantic Books.

Ava Astaire McKenzie is the daughter of Hollywood legend Fred Astaire. She pays tribute to the musical Top Hat which is based on the RKO feature film. The most successful film of the nine RKO movies Astaire and Ginger Rogers made together, Top Hat premiered at the Radio City Musical Hall in 1935. The new stage musical includes Irving Berlin classics from the film such as Cheek to Cheek, Isn't It a Lovely Day to be Caught in the Rain and Top Hat, White Tie and Tails. Top Hat is at London's Aldwych Theatre.

#### WED 09:45 Book of the Week (b03b9614)

Sandra Hempel - The Inheritor's Powder: A Cautionary Tale of Poison, Betrayal and Greed

Episode 3

On the morning of Saturday 2nd of November 1833, the Bodle household sat down to their morning breakfast, sharing a pot of coffee. That evening, the local surgeon John Butler received an urgent summons - the family and their servants had all collapsed with a serious illness. Three days later, after lingering in agony, the wealthy grandfather George Bodle died in his bed at his farmhouse in Plumstead. The Bodels had been the victims of a terrible poisoning.

In the nineteenth century, criminal poisoning with arsenic was frighteningly easy. For a few pence and with few questions asked, it was possible to buy enough poison to kill off an entire family, hence arsenic's popular name - The Inheritor's Powder.

The surgeon John Butler had set about collecting the evidence that he hoped would bring the culprit to justice but, in the 1830s, forensic science was still in its infancy. Even diagnosing arsenic poisoning was a hit-and-miss affair.

So when a chemist named James Marsh was called as an expert witness in the case of the murder at Plumstead, he decided that he had to create a reliable test for arsenic poisoning, or the murders would continue and killers would be left to walk free. In so doing though he was to cause as many problems as he solved. Were innocent men and women now going to the gallows?

Sandra Hempel, author of The Inheritor's Powder, is a medical journalist who has written for a wide variety of both popular newspapers and magazines and specialist publications, from the Mail on Sunday and The Times to Nursing Times and BMA News.

Abridged by Libby Spurrier  
Director: David Blount  
A Pier production for BBC Radio 4.

#### WED 10:00 Woman's Hour (b03b2bk9)

Sudha Raganathan; Obesity in pregnancy; Make-up primers

The Carnatic music of Sudha Raganathan. The dangers and costs of obesity in pregnancy. Nicola Upson on her new book in the Josephine Tey series. Make up primers - what do they do? Sex selection in abortion - is it legal, should it be acceptable? Presented by Jenni Murray.

#### WED 10:45 15 Minute Drama (b03b2bkf)

Al Smith - Life in the Freezer

Christmas Dinner

by Al Smith

For the Cartwright family the strain of the loss of their mother begins to show across the Christmas dinner table as they eat the meal she has left prepared for them.

Directed by Sally Avens

At 66 June Cartwright finally lost her battle with Ovarian Cancer. She didn't fear death but what would happen to her family after she'd gone, for she knew she was the emotional glue that kept them together. For June, food was everything. A family that eats together, stays together. June may have left behind her husband and two children. What they will soon discover is that she also left behind fifty frozen meals, perfectly cooked to their tastes which serve to guide them through their grief, together.

This series charts five meals, spread across seven months during which the Cartwright family pull themselves apart, back together, and figure out how to move on after their mothers death.

#### WED 11:00 NHS: Changing Culture (b03b2g28)

Episode 1

NHS culture has been condemned as "broken" and as "insidiously negative". Business journalist, Lesley Curwen, asks what NHS managers were doing when appalling patient care was happening on their watch.

In the first of two programmes, she tracks the initial introduction of managers into the NHS and explores the responsibility that NHS leaders now shoulder for creating both good and bad cultures.

Robert Francis QC spells out why he believes the primary cause of the scandal at Mid Staffordshire was management failure, and the clean-up executives, sent in to run the scandal hit Trust, describe the culture of denial that dominated when they arrived.

As the NHS adapts to the radical reforms of 2013 in the midst of unprecedented financial challenges, Lesley visits both struggling and thriving hospital Trusts to discover how their leaders and managers are trying to create positive and open cultures, where staff are supported to provide the very highest standard of care to patients.

Producer: Fiona Hill.

#### WED 11:30 The Rivals (b03b2g2b)

Series 2

The Problem of the Superfluous Finger

By Jaques Futrelle.

Dramatised By Chris Harrald.

Inspector Lestrade was made to look a fool in the Sherlock Holmes stories. Now he is writing his memories and has a chance to get his own back, with tales of Holmes' rivals. He begins with his collaboration with "The Thinking Machine" Professor SFX Van Dusen, trying to solve a strange case involving self-mutilation.

Producer: Liz Webb.

#### WED 12:00 You and Yours (b03b2g2d)

GP surgery premium lines, social housing, human hair extensions

Disabled people who've been told that they can find work with the right help are turning up at Job Centres for that help only to be told they are too ill to work.

Britain is going hair extension crazy with sales increased five fold in three years but should consumers worry about where those made from real human hair come from?

Could making homes in factories and assembling them on site cut the costs and boost the energy efficiency of new homes?

How should social housing be organised and paid for in future?

Some GP surgeries are still using premium rate phone lines to take calls from patients three years after the government asked them to stop.

How is London Fashion Week using social media to boost its profile in the global industry.

#### WED 12:57 Weather (b039xmn1)

The latest weather forecast.

#### WED 13:00 World at One (b03b2g2g)

National and international news. Listeners can share their views via email: wato@bbc.co.uk or on twitter: #wato.

#### WED 13:45 The Ideas That Make Us (b03b2g2j)

Series 1

Love

The Ideas That Make Us is a new Radio 4 series which reveals the history of the most influential ideas in the story of civilisation, ideas which continue to affect us all today.

In this 'archaeology of philosophy', the award-winning historian and broadcaster Bettany Hughes begins each programme with the first, extant evidence of a single word-idea in Ancient Greek culture and travels both forwards and backwards in time, investigating how these ideas have been moulded by history and have impacted on history and the human experience. In this, the third of five programmes, Bettany explores the idea of love with philosopher Angie Hobbs, historians Professor Kate Cooper and William Dalrymple, and neuroscientist Faraneh Vargha-Khadem.

Other ideas examined in the first series are desire, agony, fame and justice. Wisdom, comedy, liberty, peace and guest-host friendship will be explored in January 2014.

Producer: Dixi Stewart.

#### WED 14:00 The Archers (b03b0yf4)

[Repeat of broadcast at 19:00 on Tuesday]

#### WED 14:15 Drama (b03b2w1w)

Jeff Young - The Exuberant

By Jeff Young

Jack 'Space' Hopper is an Exuberant - meaning he hunts for meteorites. So if your house has been hit by a rock from outer space, he'll turn up on your doorstep with money in his pocket, a magnet on a stick and a mad desire to touch your fridge.

Jack's on the hunt for a space rock that's come down somewhere slightly to the east of Aberystwyth. His arch nemesis, and object of unrequited desire, is the flame-haired, musk-scented Aurora. But who will find the rock first?

A comedy about the mad desire to catch a falling star. Written by radio, TV and theatre writer Jeff Young and starring Adeel Akhtar (Utopia, Four Lions), Victoria Elliott (Hebburn), Eiry Thomas (Stella) and Ifan Huw Dafydd (Gavin and Stacey).

Directed by James Robinson

A BBC Cymru Wales Production.

#### WED 15:00 Money Box Live (b03b2j73)

Legal Aid

Need advice about accessing Civil Legal Aid? Paul Lewis and guests take your calls on Wednesday's Money Live. Call 03700 100 444 from 1pm to 3.30pm on Wednesday or e-mail moneybox@bbc.co.uk

If you need legal advice, representation or help at court but can't afford the costs who can you turn to?

Perhaps you have a family or domestic problem or you're involved with a dispute about welfare benefits, housing, debt, discrimination, education or another issue?

While the Legal Aid system has been radically reformed this year you may still be entitled to help, depending on the case and on your income or savings.

If you want to find out more, presenter Paul Lewis and guests will be waiting to answer your question on Wednesday's Money Box Live. Paul Lewis will be joined by:

Graham Harding, Law Society of Scotland's Civil Legal Aid Committee

Richard Miller, Head of Legal Aid, The Law Society

Pamela Fitzpatrick, Harrow Law Centre

Steve Kirwan, Solicitor and Collaborative Family Lawyer, Nowell Meller Solicitors

To talk to the team call 03700 100 444 between 1pm and 3.30pm on Wednesday or e-mail moneybox@bbc.co.uk now. Standard geographic charges apply. Calls from mobiles may be higher.

Presenter: Paul Lewis

Producer: Diane Richardson.

#### WED 15:30 Seven Ages of Science (b03b0yqg)

[Repeat of broadcast at 21:00 on Tuesday]

**WED 16:00 Thinking Allowed (b03b2j75)**

Holiday hedonism in Ibiza; White working class voters

Holiday hedonism - Laurie Taylor talks to the criminologist, Daniel Briggs, about his study into young British tourists' risk taking behaviour in Ibiza. From drug taking to prostitution, violence and injury. What leads these holidaymakers to engage in deviant, even dangerous behaviour when abroad? Also, Nathan Manning discusses his research into the meaning and causes of white, working class political disaffection. He interviewed low wage workers in Yorkshire and the NorthWest, areas where support for the far right British National Party and low voter turnout indicate alienation from mainstream politics. He's joined by Professor of Politics, Michael Kenny.

Producer: Jayne Egerton.

**WED 16:30 The Media Show (b03b2j77)**

Media agencies; Journalese; Twitter flotation

On today's programme, Steve Hewlett discusses the influence of media agencies on broadcast networks. It follows comments by Channel 5 owner Richard Desmond, who has hit out at the power of Sir Martin Sorrell's UK media buying operation, Group M - the biggest player in the market. Joining Steve is chairman of Walker Media, Phil Georgiadis, and John McVay of Pact, the producer's alliance for cinema and television. And Steve asks Martin Bowley, the former chief executive of Carlton Media Sales, how the balance of power has shifted in the media buying world in recent years.

In the week that's seen Twitter announce its intention to float, we ask how the model might have to change when under the scrutiny of investors. Keen tweeter and technology and digital media correspondent at the Telegraph Emma Barnett discusses how its coming-of-age may mark the start of some fundamental changes for the social networking site. And NPR media correspondent David Folkenflik talks about its impact on global news.

And we look at the language used by newspapers and TV reporters alike; 'journalese'. Robert Hutton, UK political correspondent for Bloomberg News has written a book, 'Romps, Tots and Boffins - The Strange Language of News'. He joins Steve to discuss his favourite examples.

Producer: Katy Takatsuki.

**WED 17:00 PM (b03b2j79)**

Coverage and analysis of the day's news.

**WED 18:00 Six O'Clock News (b039xmn3)**

The latest national and international news from BBC Radio 4.

**WED 18:30 My Teenage Diary (b03b2j7f)**

Series 5

Janet Ellis

Another brave celebrity revisits their formative years by opening up their intimate teenage diaries.

Comedian Rufus Hound is joined by actress and presenter Janet Ellis, whose teenage diaries show that her love of arts and crafts started long before she got the job on Blue Peter.

Producer: Harriet Jaime

A Talkback production for BBC Radio 4.

**WED 19:00 The Archers (b03b2j7h)**

Kirsty mentions to Tony that, although Tom tries not to show it, he has been stressed with Bellingham's messing him around.

Tom admits to Tony that sales haven't picked up and Bellingham's are refusing to make a commitment. He admits that increasing production may have been a mistake - but it was his decision, not Rob's. Tony gives Tom some encouraging words and mentions that Kirsty seems a bit down.

Tom pops to see Kirsty. Her ex, Damian, was in Jaxx flaunting his new girlfriend. She doesn't care for him but could have done without it. Tom takes Kirsty to a patisserie to cheer her up.

Lynda confirms to Ian that Ray and Suzy Shen have done a bunk. His wife Harriet is not surprised. It's not the first time.

When she fills Oliver in by phone, he is sorry and takes full responsibility. Oliver asks Lynda if she would consider stepping up to acting manager for the last few days of their holiday - and not to mention anything to Caroline.

Ian congratulates Lynda. She'd like to scrap Ray's Mexican night but Ian convinces her it's too late. Lynda still wants to raise the tone, though. Ian is wary but Lynda is adamant that in

spite of Ray's vulgar plans they'll make it a night to be proud of.

**WED 19:15 Front Row (b03b2j7k)**

David Walliams and Sheridan Smith; poet Dannie Abse at 90; Booker Prize changes

With Mark Lawson.

David Walliams and Sheridan Smith talk about working together in a new staging of A Midsummer's Night's Dream, with Walliams in the role of Bottom and Smith as Titania/Hippolyta. They discuss the difficulties of taking on Shakespeare, the dark sensuality of the play and theatrical rituals and pranks.

The Man Booker Prize for Fiction is currently open to writers from the UK, Ireland and the Commonwealth - but in changes confirmed today, any novel originally written in English and published in the UK could be a contender, opening the Prize to writers from the USA in particular. Ion Trewin, Literary Director of the Booker Prize Foundation, reveals the details.

The distinguished Welsh poet Dannie Abse celebrates his 90th birthday on Sunday. Although best-known for his poetry, Dannie Abse is also a doctor, playwright and author - and he discusses his long career.

Producer Nicki Paxman.

**WED 19:45 15 Minute Drama (b03b2bkf)**

[Repeat of broadcast at 10:45 today]

**WED 20:00 Unreliable Evidence (b03b2md6)**

Whistleblowers

Clive Anderson's guests call for new laws both to encourage employees to report criminal behaviour and malpractice in their organisations and to protect them if they blow the whistle.

The programme brings together leading lawyers to discuss the developing law relating to whistle-blowing and to consider concerns that the law does not adequately protect employees from unfair dismissal, bullying or blacklisting.

In the wake of the Libor scandal and disturbing revelations about NHS care, does the law offer sufficient safeguards to employees who report a criminal offence, miscarriage of justice, danger to someone's health and safety or damage to the environment?

Cathy James, chief executive of the whistle-blower charity, Public Concern at Work, reveals that three out of four people interviewed say nothing ever happens when they complain about bad practices within the workplace. The programme hears that, despite legislation designed to prevent victimisation of whistle-blowers, most people are still scared to raise their head above the parapet.

Robert Francis QC, who chaired the public inquiry into the Mid Staffs NHS Foundation Trust, calls for new laws to make victimisation by colleagues a criminal offence and for attempts to obstruct whistle-blowing to be made illegal also.

But barrister Caspar Glynn QC is concerned that, all too often, disgruntled, under-achieving employees use whistle-blowing legislation as a sword - threatening to report workplace malpractice unless they receive enhanced severance payments. He says employers need protection as well as employees.

Producer: Brian King

An Above the Title production for BBC Radio 4.

**WED 20:45 Four Thought (b03b2md8)**

Series 4

Danny Dorling

The United Nations recently predicted that the world's population will grow to nine billion by 2050 and ten billion by the end of the century.

Whilst news of population growth is often greeted with panic and dismay Danny Dorling, a human geographer at the Oxford University Centre for the Environment, argues that, in fact, there's nothing to fear in the future, because the population bomb has already diffused.

Four Thought is a series of talks which combine new ideas and personal stories.

Recorded during the Edinburgh festival, speakers explain their thinking on the trends and ideas in culture and society in front of a live audience.

Producer: Caitlin Smith.

**WED 21:00 Costing the Earth (b03b0ydt)**

[Repeat of broadcast at 15:30 on Tuesday]

**WED 21:30 Midweek (b03b29zp)**

[Repeat of broadcast at 09:00 today]

**WED 21:58 Weather (b039xmn5)**

The latest weather forecast.

**WED 22:00 The World Tonight (b03b2mdb)**

In-depth reporting and analysis from a global perspective.

**WED 22:45 Book at Bedtime (b03b2mdm)**

Jonathan Coe - Expo 58

Episode 8

London, 1958: unassuming civil servant Thomas Foley is plucked from his desk at the Central Office of Information and sent on a six-month trip to Brussels. His task: to keep an eye on The Britannia, a brand new pub which will form the heart of the British presence at Expo 58 - the biggest World's Fair of the century, and the first to be held since the Second World War.

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EXPO 58

BY JONATHAN COE

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READER: TIM MCINNERNY

ABRIDGED BY LIBBY SPURRIER

PRODUCED BY JOANNA GREEN

A Pier production for BBC Radio 4.

**WED 23:00 The Music Teacher (b03b2mdg)**

Series 3

Episode 3

Richie Webb returns as multi-instrumentalist music teacher Nigel Penny.

Belinda offers Nigel's services as a songwriter to the local football team to celebrate their possible cup run. Nigel, however, is slightly more concerned with a money-spinning sideline selling cheap and nasty music satchels whilst coping with his usual array of challenging pupils.

Directed by Nick Walker

Audio production by Matt Katz

Written and produced by Richie Webb

A Top Dog Production for BBC Radio 4.

**WED 23:15 Helen Keen's It Is Rocket Science (b00zm0mp)**

Series 1

Episode 3

Helen Keen's off-beat but true account of the history of space flight.

With Peter Serafinowicz and Susy Kane.

\* The breathtaking drama of the space race and its evil twin the Cold War

\* The brilliant but secret life and tragically banal death of the Soviet Union's best rocket scientist

\* The surprising tale of the last man on the moon (so far) and the songs he sang.

Written by Helen Keen and Miriam Underhill.

Producer: Gareth Edwards

First broadcast on BBC Radio 4 in March 2011.

**WED 23:30 The Philosopher's Arms (b037tnxh)**  
Series 3

Exploitation

Pints and philosophical puzzles with Matthew Sweet. Each week Matthew goes to the pub to discuss a knotty conundrum with an audience and a panel of experts. Free will, sex, sexism, blame and shame are just some of the topics to be mulled over in this series of *The Philosopher's Arms*.

What is 'exploitation' - with philosopher Alex Voorhoeve.

Producer: David Edmonds.

#### THURSDAY 19 SEPTEMBER 2013

**THU 00:00 Midnight News (b039xmp4)**

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

**THU 00:30 Book of the Week (b03b9614)**

[Repeat of broadcast at 09:45 on Wednesday]

**THU 00:48 Shipping Forecast (b039xmp6)**

The latest shipping forecast.

**THU 01:00 Selection of BBC World Service Programmes (b039xmp8)**

BBC Radio 4 joins the BBC World Service.

**THU 05:20 Shipping Forecast (b039xmpb)**

The latest shipping forecast.

**THU 05:30 News Briefing (b039xmpd)**

The latest news from BBC Radio 4.

**THU 05:43 Prayer for the Day (b03b2ndx)**

A spiritual comment and prayer to begin the day with the Revd Dr Janet Wootton.

**THU 05:45 Farming Today (b03b2ndz)**

Scottish dairy farmers are being urged to produce more milk. A report from the Scottish government wants Scotland to increase production by 50% by the year 2025. It claims the industry can produce up to 1.6 billion litres of milk a year, and can develop new export markets. What do dairy farmers make of the idea?

We meet the farmer in Oxfordshire doing pregnancy scans on his ewes.

And rural broadband... would it be faster to deliver a message on foot? One MP thinks so.

Presented by Charlotte Smith. Produced by Emma Campbell.

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

Thrush Nightingale

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

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

**THU 06:00 Today (b03b2nf1)**

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

**THU 09:00 In Our Time (b03b2v6m)**

Pascal

Melvyn Bragg and his guests begin a new series of the programme with a discussion of the French polymath Blaise Pascal. Born in 1623, Pascal was a brilliant mathematician and scientist, inventing one of the first mechanical calculators and

making important discoveries about fluids and vacuums while still a young man. In his thirties he experienced a religious conversion, after which he devoted most of his attention to philosophy and theology. Although he died in his late thirties, Pascal left a formidable legacy as a scientist and pioneer of probability theory, and as one of seventeenth century Europe's greatest writers.

With:

David Wootton  
Anniversary Professor of History at the University of York

Michael Moriarty  
Drapers Professor of French at the University of Cambridge

Michela Massimi  
Senior Lecturer in the Philosophy of Science at the University of Edinburgh.

Producer: Thomas Morris.

**THU 09:45 Book of the Week (b03b977g)**

Sandra Hempel - *The Inheritor's Powder: A Cautionary Tale of Poison, Betrayal and Greed*

Episode 4

On the morning of Saturday 2nd of November 1833, the Bodle household sat down to their morning breakfast, sharing a pot of coffee. That evening, the local surgeon John Butler received an urgent summons - the family and their servants had all collapsed with a serious illness. Three days later, after lingering in agony, the wealthy grandfather George Bodle died in his bed at his farmhouse in Plumstead. The Bodels had been the victims of a terrible poisoning.

In the nineteenth century, criminal poisoning with arsenic was frighteningly easy. For a few pence and with few questions asked, it was possible to buy enough poison to kill off an entire family, hence arsenic's popular name - *The Inheritor's Powder*.

The surgeon John Butler had set about collecting the evidence that he hoped would bring the culprit to justice but, in the 1830s, forensic science was still in its infancy. Even diagnosing arsenic poisoning was a hit-and-miss affair.

So when a chemist named James Marsh was called as an expert witness in the case of the murder at Plumstead, he decided that he had to create a reliable test for arsenic poisoning, or the murders would continue and killers would be left to walk free. In so doing though he was to cause as many problems as he solved. Were innocent men and women now going to the gallows?

Sandra Hempel, author of *The Inheritor's Powder*, is a medical journalist who has written for a wide variety of both popular newspapers and magazines and specialist publications, from the Mail on Sunday and The Times to Nursing Times and BMA News.

Abridged by Libby Spurrier

Director: David Blount

A Pier production for BBC Radio 4.

**THU 10:00 Woman's Hour (b03b2v6p)**

Alison Balsom; Great Men Value Women; UKIP

Trumpeter, Alison Balsom. Great men value women: a school initiative talking to teenage boys about masculinity. We visit a school with comedian and actor Doc Brown and discuss the issues co-founder of the project Karen Ruimy and James Dawson, author of *Being A Boy*. Janice Atkinson, prospective UKIP MEP candidate for South East England on how she thinks the party can appeal to women. And how to make a good decision - Noreena Hertz author of *Eyes Wide Open: How To Make Smart Decisions In A Confusing World*.

**THU 10:45 15 Minute Drama (b03b2v6r)**

Al Smith - *Life in the Freezer*

Lamb and Apricots

by Al Smith

When Neil breaks up with his girlfriend he needs his mother but now he has only his father to turn to and Leonard isn't sure he's up to the task.

Director ..... Sally Avens

At 66 June Cartwright finally lost her battle with Ovarian Cancer. She didn't fear death but what would happen to her family after she'd gone, for she knew she was the emotional glue that kept them together. For June, food was everything. A

family that eats together, stays together.

June may have left behind her a husband and two children. What they will soon discover is that she also left behind fifty frozen meals, perfectly cooked to their tastes which serve to guide them through their grief, together.

This series charts five meals, spread across six months during which the Cartwright family pull themselves apart, back together, and figure out how to move on after their mothers death.

**THU 11:00 Crossing Continents (b03b2v6t)**

Indonesia's Mercury Menace

Up to 20% of the world's gold is produced by informal mining, with millions of people in the developing world relying on it for a living. The quickest and easiest way for them to extract gold is by mixing finely ground rock with mercury, a highly toxic metal, and burning it off. Linda Pressly visits Indonesia, and finds gold workers and communities who are already showing signs of mercury poisoning. There are paddy fields with the highest concentration of mercury ever tested in rice. Experts tell her this is a slow-burn disaster, which could lead to irreversible harm to the health of people across the globe.  
Producers: Emil Petrie, Nina Robinson.

**THU 11:30 Sound Painting (b01r0f4n)**

An artist's studio is a unique setting, littered with the debris of creative endeavour - photos, drawings and images all offering inspiration.

However many artists also draw on audio stimulus from the music of their hi-fis and ipods. In this revealing programme, Tim Marlow meets some of the UK's leading artists to explore the sounds and music they use and how it influences the creative process.

Artist-in-residence at the National, Michael Landy, is happy to listen to the sounds of the gallery as he works, expressing an interest in the PA announcements and the gentle hum of Sir Peter Blake's fridge, left by the artist after his spell working at the National studio.

The use of music was something that used to move one of Britain's leading sculptors, Sir Anthony Caro. He talks about his past use of the classics to enhance the mood of his studio. But these days, as he nears his 90th birthday, he prefers silence as "Beethoven is just too distracting".

Rachel Whiteread also enjoys music when she is drawing but explains how everyday sounds affect her work and demonstrates some of the noises that punctuate her day.

The programme culminates with Tracey Emin at her Bethnal Green studio revealing the sounds and music that influence her work.

Producer: John Sugar

A Sugar production for BBC Radio 4.

**THU 12:00 You and Yours (b03b2v6w)**

Housing minister Mark Prisk; e-cigarettes and advertising; season rail tickets

The housing minister, Mark Prisk, responds to our series on the future of housing in Britain. How exactly does the Government plan to build five million homes over the next 20 years?

E-cigarettes are being advertised by the main tobacco companies on prime time television in America and it looks like this is going to happen here. But will they glamorise smoking for young people?

And part time commuters have welcomed plans to make rail season tickets more flexible.

**THU 12:57 Weather (b039xmpk)**

The latest weather forecast.

**THU 13:00 World at One (b03b2v6y)**

National and international news. Listeners can share their views via email: wato@bbc.co.uk or on twitter: #wato.

**THU 13:45 The Ideas That Make Us (b03b2v70)**

Series 1

Agony

The Ideas That Make Us is a Radio 4 series which reveals the history of the most influential ideas in the story of civilisation, ideas which continue to affect us all today.

In this 'archaeology of philosophy', the award-winning historian

and broadcaster Bettany Hughes begins each programme with the first, extant evidence of a single word-idea in Ancient Greek culture and travels both forwards and backwards in time, investigating how these ideas have been moulded by history and have impacted on history and the human experience. Here Bettany explores the idea of agony with cricket columnist Gideon Haigh, classicist Professor Paul Cartledge, philosopher Martin Warner and Kate Mosse, best-selling author of 'Labyrinth' and 'The Taxidermist's Daughter'.

Other ideas examined in The Ideas that Make Us are idea, desire, fame, justice, wisdom, comedy, liberty, hospitality and peace.

Producer: Dixi Stewart.

**THU 14:00 The Archers (b03b2j7h)**  
[Repeat of broadcast at 19:00 on Wednesday]

**THU 14:15 Brief Lives (b03b2v72)**  
Series 6

Episode 3

Brief Lives by Tom Fry and Sharon Kelly

Ronnie discovers her long lost younger sister set up in a quayside apartment in the posh end of Salford. How can she afford to live there? And Frank finds out about Sarah's new beau, and he ain't pleased.

Director/Producer Gary Brown.

**THU 15:00 Rambblings (b03b2v74)**  
Series 25

The Tuesday Walkers of North Devon

Clare Balding walks in Somerset as the guest of The Tuesday Walkers of North Devon. Meeting at the village of Exford on Exmoor, they set out on a six mile circular route, which, like all of the group's walks, begins and ends at a pub. All the members are retired and take their Tuesday hike as an important weekly date in their diaries. While enjoying the scenery, the company and the exercise all have good advice to offer Clare, on how to ensure a fit, healthy, active and happy retirement.  
Producer: Lucy Lunt.

**THU 15:27 Radio 4 Appeal (b039yz4n)**  
[Repeat of broadcast at 07:55 on Sunday]

**THU 15:30 Open Book (b039zdv5)**  
[Repeat of broadcast at 16:00 on Sunday]

**THU 16:00 The Film Programme (b03b2v77)**

Diana; Tony Gilroy and Hossein Amini; Metro Manila; Trevor Howard

Francine Stock talks to Downfall director Oliver Birschbiel about his controversial new film Diana, which dramatises the last two years of Princess Diana's life including her relationship with a heart surgeon. Naomi Watts takes the title role.

Tony Gilroy who penned the Bourne films and Hossein Amini, whose credits include The Wings of the Dove and Jude, discuss the art of screenwriting and adaptations, as BAFTA and the BFI open their Screenwriters lecture series.

The director Sean Ellis discusses his new thriller Metro Manila, set in the Philippines, which follows a rural family on their increasingly fraught journey to survive in the city. His film, inspired by a holiday in Manila where he witnessed an argument between two armed guards, has now been picked up to be remade around the world.

And film historian Melanie Williams marks the centenary of Trevor Howard's birth with a look back at his career including lesser known works like Outcast of the Islands from 1953 as well as classics such as Brief Encounter.

Producer: Elaine Lester.

**THU 16:30 BBC Inside Science (b03b2v7c)**  
Chemical weapons; Crowd-sourcing weather; Fingerprint ID; Dino drill

As Syria agrees to destroying its chemical weapon stocks, Adam Rutherford looks at how you solve a problem like Sarin. Dr Joanna Kidd from King's College London gives us a potted history of chemical weaponry.

Environmental toxicologist, Prof Alastair Hay, from Leeds

University has worked on chemical warfare issues for four decades. In the 1990s, he identified mustard gas and sarin residues from soil samples in Iraq, confirming their use by Saddam Hussein. He talks to Adam about the challenges of destroying chemical weapons in Syria.

Reporter Roland Pease looks at a new phone app, OpenSignal, which uses your smartphone's sensors to help improve weather models.

Today, London Underground workers are starting to boycott a new clock-in system, which uses their fingerprint for identification. Meanwhile, Apple fans are camping outside stores waiting to buy the new iPhone, which features a fingerprint scanner.

Adam talks to Dr Farzin Deravi from the University of Kent about how fingerprint identification works and whether it can be fooled with a gummy bear. Plus he asks technology journalist Kate Bevan if we should worry about the security issues surrounding biometric passwords.

Finally this week, Dr Pedro Viegas shows us his instrument - a dino drill. It's being used to uncover the Bristol dinosaur, a 210 million year old Thecodontosaurus.

**THU 17:00 PM (b03b2v7h)**

Full coverage and analysis of the day's news.

**THU 18:00 Six O'Clock News (b039xmpm)**

The latest national and international news from BBC Radio 4.

**THU 18:30 Fags, Mags and Bags (b01n6rrz)**

Series 5

Effervescent Members

More shop based shenanigans and over the counter philosophy, courtesy of Ramesh Mahju and his trusty sidekick Dave.

In this episode, the new sweetie craze of "Fizzy Limbs" has Fags, Mags and Bags rocking every lunchtime with rampaging kids. Local headmistress Mrs Temple (Julie T Wallace) confronts Ramesh about stocking them as she feels it's affecting the children's behaviour. But are such matter Ramesh's concern?

Join the staff of Fags, Mags and Bags in their tireless quest to bring nice-price custard creams and cans of coke with Arabic writing on them to an ungrateful nation. Ramesh Mahju has built it up over the course of 30 years, and is a firmly entrenched feature of the local area. Ramesh loves the art of the "shop".

Produced by Gus Beattie

A Comedy Unit production for BBC Radio 4.

**THU 19:00 The Archers (b03b2vyj)**

Shula asks David if he's seen Darrell. She's worried he's sleeping rough. David heard he was spotted in a bus shelter on the Hollerton Road. He thanks her for the birthday present. He Ruth and the boys will celebrate the day later, in fancy dress at the Grey Gables Mexican evening.

Shula tracks a disorientated Darrell down and offers him some hot chicken soup. Shula suggests that Darrell have Daniel's room while he is away. Proud Darrell says he's fine as he is.

Eddie is keen to get Joe's 92nd birthday off to a flying start at the Mexican night. Joe is unsure of the fake moustache and tequilas but is entering into the party spirit.

Fraught Lynda gives Eddie and Joe their free margaritas for dressing up. Caroline rings just at the wrong time and Lynda has to pretend that everything is fine. David loves the atmosphere but Lynda seems uneasy.

Joe and Eddie are disappointed to hear that the best moustache competition has been cancelled. Joe is dubious about the margarita but will try it as it's free. Then he'll have a pint. But as he returns from the toilet, he trips on some loose carpet, hurting his arm and head. While worried Eddie asks Joe if he's ok, panicked Lynda calls an ambulance.

**THU 19:15 Front Row (b03b2vyl)**

Woody Allen interview, with Sally Hawkins and Mike Leigh

With Mark Lawson, who interviews writer and director Woody Allen.

Allen's new film Blue Jasmine stars Cate Blanchett as Jasmine, a wealthy Manhattan socialite, and Sally Hawkins as Ginger, her poor sister in San Francisco. They end up together when Jasmine's husband is declared bankrupt.

Blue Jasmine is already one of Woody Allen's most financially successful films, proving a hit at the US box office.

In this Front Row special, Mark talks to Woody Allen about Blue Jasmine, his unique methods of working and why he never watches his own films. And there are interviews with Mike Leigh, who Allen cites as one of his favourite directors, and actress Sally Hawkins, who has worked with both directors.

Producer Timothy Prosser.

**THU 19:45 15 Minute Drama (b03b2v6r)**  
[Repeat of broadcast at 10:45 today]

**THU 20:00 The Report (b03b2vyn)**  
Police Tasers

More and more police are being armed with Taser stun guns prompting questions about whether they are always used in the right circumstances. Campaigners point to the controversial cases of partially-sighted Colin Farmer, Tasered in the back when police mistook his white stick for a Samurai sword. And 23 year-old Jordan Begley who died after being Tasered by Greater Manchester Police in July this year.

But how much do we really know about how dangerous these stun guns are compared with alternatives like CS spray, batons and police dogs? And is the training adequate? Melanie Abbott is given rare access to police officers as they undertake their final Taser assessment. And she'll hear demands for more research into the medical impact of being Tasered.

Producer: Sally Abrahams.

**THU 20:30 In Business (b03b2vyq)**  
Survivors' Stories

In Peter Day's 25 years of presenting this programme, he has seen a succession of booms and busts, and heard from people who seem to know how to survive in business. He's been back to revisit a few of them, to find out what lessons they have learnt.  
Producer: Caroline Bayley.

**THU 21:00 BBC Inside Science (b03b2v7c)**  
[Repeat of broadcast at 16:30 today]

**THU 21:30 In Our Time (b03b2v6m)**  
[Repeat of broadcast at 09:00 today]

**THU 21:58 Weather (b039xmpq)**  
The latest weather forecast.

**THU 22:00 The World Tonight (b03b2vys)**

The Government has ordered a review of health service guidelines on the wearing of full-face veils by staff in England. Is Iran really changing its relations with the west? An Egyptian police general was killed in fighting today as security forces stormed the Muslim Brotherhood stronghold of Kerdasa in the suburbs of Cairo. Goodbye to Hiroshi Yamauchi with Philippa Thomas.

**THU 22:45 Book at Bedtime (b03b2vyv)**  
Jonathan Coe - Expo 58

Episode 9

London, 1958: unassuming civil servant Thomas Foley is plucked from his desk at the Central Office of Information and sent on a six-month trip to Brussels. His task: to keep an eye on The Britannia, a brand new pub which will form the heart of the British presence at Expo 58 - the biggest World's Fair of the century, and the first to be held since the Second World War.

As soon as he arrives at the site, Thomas feels that he has escaped a repressed, backward-looking country and fallen headlong into an era of modernity and optimism. He is equally bewitched by the surreal, gigantic Atomium, which stands at the heart of this brave new world, and by Anneke, the lovely Flemish hostess who meets him off his plane.

But Thomas's new-found sense of freedom comes at a price: the Cold War is at its height, the mischievous Belgians have placed the American and Soviet pavilions right next to each other - and why is he being followed everywhere by two mysterious emissaries of the British Secret Service?

Expo 58 may represent a glittering future, both for Europe and for Thomas himself, but he will soon be forced to decide where his public and private loyalties really lie.

## CREDITS:

EXPO 58  
BY JONATHAN COE

READER: TIM MCINNERNY  
ABRIDGED BY LIBBY SPURRIER

PRODUCED BY JOANNA GREEN  
A Pier production for BBC Radio 4.

**THU 23:00 Colin Hoults's Carnival of Monsters (b0375b3z)**  
Series 1

Episode 3

Master character comedian Colin Hoults presents his debut comedy series. Enter the Carnival of Monsters, a bizarre and hilarious world of sketches, stories and characters, presented by the sinister Ringmaster.

Meet such monstrous yet strangely familiar oddities as: Thwor - the mighty (but Leeds-based) god of Thwunder; Len Parker - Nottingham-born martial arts and transformers enthusiast; Anna Mann - outrageous star of such forgotten silver screen hits such as 'Rogue Baker', 'Who's For Turkish Delight' and 'A Bowl For My Bottom'; and many more.

Writers Guild Award-winner Colin Hoults is best known for his highly acclaimed starring roles in 'Being Human', 'Life's Too Short', and 'Russell Howard's Good News', as well as his many hit shows at the Edinburgh Festival. He has also appeared and written for a number of Radio 4 series including 'The Headset Set' and 'Colin and Fergus' Digi-Radio'.

'Lewis Carol meets The League Of Gentlemen' - A beautifully staged masterclass in character comedy' - Time Out  
'Comic gold' - Metro  
'Delightfully funny' - The Telegraph

Produced by Sam Bryant.

First broadcast on BBC Radio 4 in 2013.

**THU 23:30 The Philosopher's Arms (b0383x96)**  
Series 3

Free Will

Matthew Sweet is in the pub, discussing a knotty conundrum with an invited audience and a panel of experts. Today it's whether or not we have free will, with philosopher Wayne Martin of the University of Essex and neuroscientist Gemma Calvert, Managing Director of Neurosense. Also featuring Peter Mabbutt and Jo Russell.

Producer: Marya Burgess.

**FRIDAY 20 SEPTEMBER 2013**

**FRI 00:00 Midnight News (b039xmqd)**

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

**FRI 00:30 Book of the Week (b03b977g)**

[Repeat of broadcast at 09:45 on Thursday]

**FRI 00:48 Shipping Forecast (b039xmqw)**

The latest shipping forecast.

**FRI 01:00 Selection of BBC World Service Programmes (b039xmqy)**

BBC Radio 4 joins the BBC World Service.

**FRI 05:20 Shipping Forecast (b039xmr0)**

The latest shipping forecast.

**FRI 05:30 News Briefing (b039xmr2)**

The latest news from BBC Radio 4.

**FRI 05:43 Prayer for the Day (b03b2z9q)**

A spiritual comment and prayer to begin the day with the Revd Dr Janet Wootton.

**FRI 05:45 Farming Today (b03b2z9s)**

The future of one of Britain's most popular crags will be decided today. Stannage Edge is in the Peak District National Park. The British Mountaineering Council is warning that

proposals to maximise the income from tourism threaten significantly to change the area. It's collected more than 10,000 signatures on a petition calling for the estate to be protected from intrusive developments and for local people and climbers to be consulted on any changes. The park authority will discuss options at a meeting today. Also on Farming Today, after last winters' extreme flooding on the Somerset Levels, a fund has been launched to pay for dredging key rivers in the area. Last year farmland was left up to 8 feet underwater and the flooding is estimated to have cost the local economy more than £7 million and put some farmers out of business. Now the Royal Bath and West Society has launched a campaign to try and raise the additional money to dredge some of the key rivers on the levels. Presented by Charlotte Smith. Produced by Anna Varle.

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

Jay

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

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

**FRI 06:00 Today (b03b2z9v)**

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

**FRI 09:00 The Reunion (b039yz4x)**

[Repeat of broadcast at 11:15 on Sunday]

**FRI 09:45 Book of the Week (b03b977bc)**

Sandra Hempel - The Inheritor's Powder: A Cautionary Tale of Poison, Betrayal and Greed

Episode 5

On the morning of Saturday 2nd of November 1833, the Bodle household sat down to their morning breakfast, sharing a pot of coffee. That evening, the local surgeon John Butler received an urgent summons - the family and their servants had all collapsed with a serious illness. Three days later, after lingering in agony, the wealthy grandfather George Bodle died in his bed at his farmhouse in Plumstead. The Bodels had been the victims of a terrible poisoning.

In the nineteenth century, criminal poisoning with arsenic was frighteningly easy. For a few pence and with few questions asked, it was possible to buy enough poison to kill off an entire family, hence arsenic's popular name - The Inheritor's Powder.

The surgeon John Butler had set about collecting the evidence that he hoped would bring the culprit to justice but, in the 1830s, forensic science was still in its infancy. Even diagnosing arsenic poisoning was a hit-and-miss affair.

So when a chemist named James Marsh was called as an expert witness in the case of the murder at Plumstead, he decided that he had to create a reliable test for arsenic poisoning, or the murders would continue and killers would be left to walk free. In so doing though he was to cause as many problems as he solved. Were innocent men and women now going to the gallows?

Sandra Hempel, author of The Inheritor's Powder, is a medical journalist who has written for a wide variety of both popular newspapers and magazines and specialist publications, from the Mail on Sunday and The Times to Nursing Times and BMA News.

Abridged by Libby Spurrier

Director: David Blount

A Pier production for BBC Radio 4.

**FRI 10:00 Woman's Hour (b03b2z9x)**

Margaret Hodge; Dame Margaret Drabble; Casting the larger actress; Peace activist Isabella Ford

Margaret Hodge MP discusses being Chair of the Public Accounts Committee, and the responsibility she holds in calling companies to account. Dame Margaret Drabble talks about writing stories for 'Black Country Women' - a women's magazine with, for and about Black Country Women. Casting the Larger Actress - why aren't bigger actresses considered more for lead roles? And to mark International Peace Day on Saturday 21st September, Professor June Hamman joins Jenni to talk about Isabella Ford, WW1 Peace Activist and Suffragist.

**FRI 10:45 15 Minute Drama (b03b2z9z)**

Al Smith - Life in the Freezer

Tarragon Chicken With Lime

by Al Smith

The family gather to scatter their mother's ashes and find themselves throwing a party.

At 66 June Cartwright finally lost her battle with Ovarian Cancer. She didn't fear death but what would happen to her family after she'd gone, for she knew she was the emotional glue that kept them together. For June, food was everything. A family that eats together, stays together. June may have left behind her a husband and two children. What they will soon discover is that she also left behind fifty frozen meals, perfectly cooked to their tastes which serve to guide them through their grief, together.

This series charts five meals, spread across six months during which the Cartwright family pull themselves apart, back together, and figure out how to move on after their mothers death.

**FRI 11:00 Journey of a Lifetime (b03b2zb1)**

The River Wild

Will Millard is the winner of this year's BBC/Royal Geographical Society award for a dream journey project. Will's goal is to descend the Mano and Moro Rivers, which divide Sierra Leone and Liberia, with only a tiny inflatable raft in which to do it. With the Sierra Leone portion of the forest already part of the Gola Rainforest National Park, the river boundary will, it's hoped, shortly become the heart of the Trans-Boundary Peace Park, straddling both countries. Local Liberian villagers, however, are divided about the merits of this significant conservation project.

Meanwhile, in the heart of the rainforest, having survived the death-defying waterfall where we left him last week, Will finds time to observe at close quarters a troupe of Diana monkeys and catch his first fish of the journey. But perils are literally round the next bend in the river, as he encounters an encampment of illegal diamond hunters and hits another disastrous sequence of rapids in which his life is again in danger... He's also not feeling good: a badly infected hand is making paddling the packraft difficult and, weak with exhaustion, Will suspects he may have contracted malaria... But medical help is at least two days' trek away.

Producer: Simon Elmes.

**FRI 11:30 Start/Stop (b03b2zb3)**

Series 1

Fundraiser

Three couples sail off into the sunset. And sink.

Jack Docherty's sitcom about love, marriage and despair.

Starring Jack Docherty, Charlie Higson, Katherine Parkinson, John Thomson, Fiona Allen and Kerry Godliman.

With their marriages in various states of disrepair - a school fundraiser proves unusually challenging for all of them.

Barney ..... Jack Docherty  
Cathy ..... Kerry Godliman  
Fiona ..... Fiona Allen  
David ..... Charlie Higson  
Evan ..... John Thomson  
Alice ..... Katherine Parkinson

Producer Steven Canny

First broadcast on BBC Radio 4 in September 2013.

**FRI 12:00 You and Yours (b03b2zb5)**

Mobile phone upgrades

Did your mobile phone last as long as the contract? Are people being forced to upgrade because the phones themselves just aren't durable?

More people than ever now cite unreasonable behaviour as the reason for divorce. We ask just what is meant by unreasonable?

And £2.20 is the price of an average Latte or Cappuccino in the high street coffee shop. We'll be finding out where all that money goes.

**FRI 12:57 Weather (b039xmr6)**

The latest weather forecast.

**FRI 13:00 World at One (b03b2zb7)**

National and international news. Listeners can share their views via email: wato@bbc.co.uk or on twitter: #wato.

**FRI 13:45 The Ideas That Make Us (b03b2zb9)**

Series 1

Justice

The Ideas That Make Us is a new Radio 4 series which reveals the history of the most influential ideas in the story of civilisation, ideas which continue to affect us all today.

In this 'archaeology of philosophy', the award-winning historian and broadcaster Bettany Hughes begins each programme with the first, extant evidence of a single word-idea in Ancient Greek culture and travels both forwards and backwards in time, investigating how these ideas have been moulded by history and have impacted on history and the human experience. In this, the last of five programmes, Bettany explores the idea of justice with philosopher Angie Hobbs, British Museum curator Dr Irving Finkel, historian Dr Peter Frankopan and out-going Lord Chief Justice, Lord Judge.

Other ideas examined in the first series are desire, agony, fame and justice. Wisdom, comedy, liberty, peace and guest-host friendship will be explored in January 2014.

Producer: Dixi Stewart.

**FRI 14:00 The Archers (b03b2vyj)**

[Repeat of broadcast at 19:00 on Thursday]

**FRI 14:15 Brief Lives (b03b2zbc)**

Series 6

Episode 4

Brief Lives by Nuala O'Sullivan

A woman is brought in for drink driving. She is the wife of an old school friend of Frank's. She also has a black eye coming up. How did she get that?

Series created by Tom Fry and Sharon Kelly

Producer/Director Gary Brown.

**FRI 15:00 Gardeners' Question Time (b03b2zbf)**

Ness Botanic Gardens, Wirral

Peter Gibbs is joined by Matt Biggs, Bob Flowerdew, Anne Swithinbank and James Wong to answer questions from a local audience at Ness Botanic Gardens on the Wirral.

Produced by Victoria Shepherd  
A Somethin' Else Production for BBC Radio 4.

This week's questions:

Q. Which plant would the panel have most liked to have introduced to the UK and which plants are they glad they didn't?

A. Blue rose (a variety of which has still not been found and introduced), Rubus Macrocarpus (the 'Andean Giant blackberry' has only been photographed once, in the 1920s, and never been seen since) and the grape vine. Unwanted plants include Japanese knotweed, Leylandii, Poison Ivy and mini sweet corn.

Q. Can the panel offer any advice to a new student of horticulture?

A. Horticulture is taught with many exacting techniques, which can be quite daunting, but don't be daunted by the hard and fast rules. Conduct your own trials - ask questions and try it out on the ground!

Q. We planted what we thought were two cucumber plants - but they did not produce cucumbers. What did we grow?

A. This is probably a marrow! Let the seed merchant know if you purchased incorrectly labelled seeds.

Q. When growing sprouts, should the leaves be removed as the plant develops?

A. Around November, the rosette of leaves at the top of the plant should be nipped off, which ensures large sprouts in time for Christmas! However, the lower leaves should not be removed.

Q. What can the panel suggest for a very small back garden that only gets the sun in the early morning and a very small front

garden in full sun, preferably providing year-round colour and a habitat for bees and butterflies.

A. Planting some controllable hedge plants in the front garden to provide privacy will make the space more usable - Yew, Hornbeams and Quince in tubs are all recommended. For insects, Borage is a favourite with bees and will also deter slugs thanks to its furry leaves.

Q. Which are the easiest edible fungi to grow?

A. Oyster mushrooms come in many varieties and colours - the easiest to grow are the white and grey forms. Sprinkle the spores at roughly 50 page intervals into a water-soaked telephone book, then place into a plastic bag and leave in a dark place. Once covered in white mould, make some holes through the book and place in a brighter location. The fruiting bodies, the mushrooms, will grow through the holes.

Q. In 2006 we planted 1500 deciduous trees on a two-acre plot. We have done very little weeding or maintenance on the grass beneath - are we doing the right thing?

A. In the first four years after planting, keep a one-meter diameter circle around the base of each tree free from grass and weeds. The trees will do much better in these conditions, without the competition from the weeds and grass. Either a residual herbicide or a mulch mat can be used to achieve this. Foxgloves, ferns and other shady-type plants can be added at a later stage (nine-10 years), after the number of planted trees has been thinned out.

Q. Can my Heleniums and Marguerites be split soon, as they have gone mad this year?

A. This autumn should be good for planting as there will be residual heat from the late, hot summer. Wait until the ground has moistened slightly before moving the plants and then lift, split and move the plants as soon as possible. Basal cutting can also be taken in the spring.

Q. My 'Bird of Paradise' plant has never flowered, despite producing leaves each year. The plant is about 3ft (1m) tall, in a 14in (35cm) pot, and is moved inside in winter.

A. These plants are hungry feeders, so the compost should be changed regularly and the plant watered very regularly. In spring, re-pot into a slightly larger pot with fresh compost. Once the plant has settled, after about a month, water with a general purpose liquid feed about once a week.

Q. When should topiary Yews be pruned and how vicious can the pruning be?

A. Yews can be pruned at any time of year - whenever there is time in one's gardening year - and can be taken back quite hard, until it is completely bare if necessary.

**FRI 15:45 Tessa Hadley - Deeds Not Words (b03b6s40)**

Tessa Hadley's short story 'Deeds Not Words' tells how two teachers at the same girls' school follow very different paths during the troubled years of the early 20th century. The reader is Harriet Walter

The girls at St Clement's School had been swept along by crazes before. Like the time when automatic writing from the subconscious was the fashion, or that phase when everyone devoured the novels of Marie Correlli. But this time, it's the radicalism of the Suffragette movement that has everybody talking, and girls are pinning pictures of the Pankhursts inside their desk lids, and distributing angry pamphlets. Whilst the smouldering English teacher Laura Mullhouse acts as a beacon for their fervour, the Latin Mistress Edith Carew has baser needs. But both of their paths lead them in unexpected directions.

Producer: Sarah Langan.

**FRI 16:00 Last Word (b03b2zbb)**

An RAF air marshal, a cancer care centre founder, a chocolate maker, a singer and a broadcaster

Matthew Bannister on

Air Marshal Sir John Curtiss who led the challenging RAF operation to re-take the Falkland Islands.

Pat Pilkington, co-founder of the Bristol Cancer Care Centre which offers complementary and holistic treatments

Brian Sollitt - the master chocolate maker who invented the After Eight Mint

Joan Regan - the Fifties singer who performed alongside Russ Conway, Max Bygraves and Cliff Richard - he pays tribute.

And the broadcaster Tom Vernon, best known for his programmes: "Fat Man On A Bicycle".

**FRI 16:30 More or Less (b03b2zbbk)**

Do free school meals work?

All pupils at infant schools in England are to get free school lunches from next September, the Deputy Prime Minister Nick Clegg has announced. It follows a pilot study, which seemed to show that giving free food to primary school children was good for their academic performance. But Tim Harford discovers that a closer look at the evidence reveals the results were not that clear-cut.

'I accept every time I get in my car, there's a 20% chance I could die'. It's a line from the Formula 1 hit film, Rush. Spoken by the racing driver Niki Lauda's character. Formula 1 was certainly a dangerous sport during the 1970s, but was it really that dangerous? More or Less looks at the data.

Is it true that it takes 1,000 years for a plastic bag to degrade? It's a popular claim, but More or Less finds the environmental facts about plastic bags are much less certain than that statistic suggests.

Do the health benefits of cycling outweigh the risk of injury? The Winton Professor of the Public Understanding of Risk at Cambridge University, David Spiegelhalter, goes through the numbers.

Presenter: Tim Harford  
Producer: Ruth Alexander.

**FRI 17:00 PM (b03b2zbn)**

Full coverage and analysis of the day's news.

**FRI 18:00 Six O'Clock News (b03bxmr8)**

The latest national and international news from BBC Radio 4.

**FRI 18:30 Bremner's One Question Quiz (b03b2zbp)**

What Does the Future Hold?

Rory Bremner's satirical comedy takes one big contemporary question each week and attempts to answer it. Regular panellists Andy Zaltzman, Kate O'Sullivan and Nick Doody are joined this week by the environmental journalist George Monbiot and author of 'An Optimist's Tour of the Future', Mark Stevenson.

Together, they ask "What does the future hold?"

This deconstructed "quiz" has only one question each week, because that question is so big, there's no time for anything else. Expect a mix of stand-up and sketch combined with investigative satire and incisive interviews, with a diverse range of characters who really know what they're talking about. Rory's mantra is that it's as important to make sense out of things as it is to make fun of them - only then will people laugh at the truth.

Producers: Simon Jacobs and Frank Stirling  
A Unique production for BBC Radio 4.

**FRI 19:00 The Archers (b03b2zbr)**

At the hospital, Eddie and Clarrie are very concerned about Joe. While Clarrie settles Joe back in at home Eddie visits Grey Gables. He's convinced it was no accident.

Ian tries to console Lynda, who is blaming herself. She should have spotted that the replacement carpet had worked loose.

Returning from their holiday, Caroline feels totally refreshed. When she suggests calling Ray to say they're home, Oliver confesses there has been a change of plan. Caroline is pleased to see everything looks in hand when they reach Grey Gables.

However, inside Eddie is confronting Lynda about the carpet. Ian tries to calm the situation, saying Joe had had a few drinks. This only fuels Eddie's anger. He accuses Ian of slanderous remarks. Caroline walks in to hear Eddie say they are going to sue.

Caroline is furious with Oliver for engaging Ray and then treating her like child.

Lynda feels Caroline will never trust her again. Ian tries to reassure her that when things calm down Caroline will see how magnificently she dealt with the crisis.

Eddie tells Clarrie that he's informed Caroline and Lynda they can expect to hear from their lawyer. Carrie tries to convince Eddie that Joe will be fine but Eddie's not sure. He might never be the same again.

**FRI 19:15 Front Row (b03b2zbt)**

BBC Short Story Award; Jack Vettriano retrospective; poet John Cooper Clarke

With John Wilson,



Front Row announces the shortlist for the BBC National Short Story Awards 2013. Chair of the judges Mariella Frostrup talks about the five authors nominated for the prize, the process of judging the competition and how the exceptional stories stood out. John Wilson also speaks to the first of the nominated authors about their magical and uncanny short story. Front Row will be hearing from the rest of the shortlisted authors and the five stories are broadcast next week on Radio 4.

Punk poet John Cooper Clarke tells John what he thinks of the Arctic Monkeys' version of his poem I Wanna Be Yours, which features on their number one album AM, and why he was partly responsible for the band's name.

Jack Vettriano is one of the UK's most popular artists, his paintings are well known and widely reproduced as greeting cards and posters. But, despite his commercial success, Vettriano's work has often met with a less than enthusiastic response from critics. Kelvingrove Gallery in Glasgow is holding a major retrospective of his work, which includes some of his best loved works which are normally in private collections. Art Critic Moira Jeffrey reviews.

American artist Richard Serra is renowned for his monumental steel sculptures, harking back to his childhood (his father worked in a shipyard) and to the steel mills he worked in as a young man. Drawing is also important to him: he sees it as a way of exploring new ideas and materials. He's now approaching his seventy-fifth birthday and as a new exhibition of his work opens Richard Serra discusses his career, and how art has affected his personal life, as he gives John a personal tour of the twelve drawings which were specially created for this display.

Producer Claire Bartleet.

**FRI 19:45 15 Minute Drama (b03b2z2z)**  
[Repeat of broadcast at 10:45 today]

**FRI 20:00 Any Questions? (b03b2zbw)**

Dominic Grieve, Sir Menzies Campbell, Emily Thornberry, Martin Lewis

Jonathan Dimbleby presents political debate and discussion from Sunninghill in Berkshire with Attorney General Dominic Grieve MP, Shadow Attorney General Emily Thornberry MP, the founder of moneysavingexpert.com Martin Lewis and Sir Menzies Campbell former leader of the Liberal Democrats.

**FRI 20:50 A Point of View (b03b2zby)**

AL Kennedy: Someone to Watch Over Me

AL Kennedy reflects on our tendency to behave badly when we think no-one's watching or when we follow the wrong crowd.

"When psychologists test how people behave with and without oversight, it becomes depressingly clear that if we think nobody's looking, we don't even remotely always let our consciences be our guides," she writes. "Even very normal, pleasant people can delegate their morality to other people who appear to be in charge, even of bizarre and disturbing scenarios."

Producer: Sheila Cook.

**FRI 21:00 Friday Drama (b03b2zc0)**

The Broken Word

Adam Fould adapts his own poem about a white family caught up in the Mau Mau time in 1950s Kenya. Tom comes home for his last holiday before university and is recruited by the English colonial vigilantes and finds himself acquiring an unexpected taste for blood. Narrated by Anton Lesser with Gunnar Cauthery, Hattie Morahan, Gemma Lawrence, Pippa Haywood, Kenneth Cranham, David Collins, John Mackay, David Birrell, Mark Meadows, Ivanno Jeremiah and Fiston Berek. Music and Sound Design by Jon Nicholls. Producer: Tim Dee.

**FRI 21:45 The Listening Project (b01p6rz3)**

Lyn and Mary - Where Do We Go Now?

Fi Glover dedicates this edition of The Listening Project to a single extraordinary conversation: civil partners Lyn and Mary re-consider their relationship after Lyn served six weeks in Styal prison for drink-driving. Mary, a retired civil servant and Lyn, a trained counsellor, have been together nine years, but Lyn's time in prison has had a huge impact on their relationship and they are now uncertain of their future. With astonishing honesty they lay bare their feelings and reveal problems with which many will identify.

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. Many of the long 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 upload your own conversations or just learn more about The Listening Project by visiting [bbc.co.uk/listeningproject](http://bbc.co.uk/listeningproject) This programme was originally broadcast as a Sunday Edition on 9 Dec 2012

Producer: Marya Burgess.

**FRI 21:58 Weather (b039xmrB)**

The latest weather forecast.

**FRI 22:00 The World Tonight (b03b2zc2)**

UKIP removes party whip from MEP Bloom after "sluts" joke. Fighting between rebel groups in Syria. Honesty pays off for homeless man. Presented by Philippa Thomas.

**FRI 22:45 Book at Bedtime (b03b2zc4)**

Jonathan Coe - Expo 58

Episode 10

London, 1958: unassuming civil servant Thomas Foley is plucked from his desk at the Central Office of Information and sent on a six-month trip to Brussels. His task: to keep an eye on The Britannia, a brand new pub which will form the heart of the British presence at Expo 58 - the biggest World's Fair of the century, and the first to be held since the Second World War.

As soon as he arrives at the site, Thomas feels that he has escaped a repressed, backward-looking country and fallen headlong into an era of modernity and optimism. He is equally bewitched by the surreal, gigantic Atomium, which stands at the heart of this brave new world, and by Anneke, the lovely Flemish hostess who meets him off his plane.

But Thomas's new-found sense of freedom comes at a price: the Cold War is at its height, the mischievous Belgians have placed the American and Soviet pavilions right next to each other - and why is he being followed everywhere by two mysterious emissaries of the British Secret Service?

Expo 58 may represent a glittering future, both for Europe and for Thomas himself, but he will soon be forced to decide where his public and private loyalties really lie.

A Pier production for BBC Radio 4.

**FRI 23:00 Great Lives (b03b0ydy)**

[Repeat of broadcast at 16:30 on Tuesday]

**FRI 23:30 The Philosopher's Arms (b038c7bq)**

Series 3

Moral Blame

Pints and philosophical puzzles with Matthew Sweet. Each week Matthew goes to the pub to discuss a knotty conundrum with an audience and a panel of experts. Free will, exploitation, sex, sexism, blame and shame are just some of the topics to be mulled over in this series of The Philosopher's Arms. Tonight we look at historic wrongs. Can we blame people in the past who held views that we now regard as abhorrent, but which were then widely accepted? The programme features philosopher Miranda Fricker.

Producer: David Edmonds.