

## SATURDAY 07 SEPTEMBER 2013

**SAT 19:00 Mud, Sweat and Tractors: The Story of Agriculture (b00jwcb1)**  
Milk

Documentary series looking at the history of 20th-century farming in Britain opens by focusing on milk.

In the early years of the century, 150,000 dairy farmers milked by hand and sold milk door to door. By the end of the century, the 15,000 that were left were breeding cows that increased yields by 400 per cent and milk was sold through supermarkets.

This episode features the home movies and stories of two dairy farmers who survived to tell the story of how and why the revolution happened.

**SAT 20:00 10 Things You Didn't Know About... (b008s99l)**  
Earthquakes

Iain Stewart looks at some of the world's most dramatic earthquakes and reveals the stories and science behind them. In seconds, these powerful forces of nature which cannot be predicted or prevented can shake a town to destruction and shift the landscape forever. We discover why quakes can last 60 times longer on the moon than on Earth, how one particular earthquake fault line can produce hallucinations, and how 1960s Cold War spying gave scientists a crucial clue to understanding them.

**SAT 21:00 The Young Montalbano (b03b3brl)**  
Series 1

The First Case

Young detective Salvo Montalbano is posted to a remote village in the Sicilian mountains, where he struggles to adapt to the somewhat unwelcoming climate, but a promotion and transfer bring him to the more agreeable seaside town of Vigata. Here he finds himself supervising a team of local policemen, including veteran Carmine Fazio and affable but bumbling agent Catarella. Montalbano's first case in Vigata involves investigating an attempted murder at the hands of a vulnerable young woman whose motives appear unfathomable.

In Italian with English subtitles.

**SAT 23:00 Mr Blue Sky: The Story of Jeff Lynne and ELO (b01n3yf4)**

Documentary which gets to the heart of who Jeff Lynne is and how he has had such a tremendous musical influence on our world. The story is told by the British artist himself and such distinguished collaborators and friends of Jeff as Paul McCartney, Ringo Starr, Tom Petty, Joe Walsh, Olivia and Dhani Harrison, Barbara Orbison and Eric Idle.

The film reveals that Lynne is a true man of music, for whom the recording studio is his greatest instrument. With access to Lynne in his studio above LA, this is an intimate account of a great British pop classicist who has ploughed a unique furrow since starting out on the Birmingham Beat scene in the early 60s, moving from the Idle Race to the multimillion-selling ELO in the 70s and then, with Bob Dylan, Tom Petty, Roy Orbison and George Harrison, as a key member of the Traveling Wilburys.

**SAT 00:00 Rock Family Trees (b0074smh)**  
Series 1

The Birmingham Beat

Series exploring the dramas that lie behind some of the best-known bands. Birmingham has produced some of the most successful British pop groups of the last three decades, including the Move, ELO and Wizzard. This programme follows the careers of musicians such as Roy Wood, Jeff Lynne, Denny Laine and Bev Bevan through their various bands and successes.

Based on the book by music journalist Pete Frame.

**SAT 00:50 Jeff Lynne Acoustic: Live from Bungalow Palace (b01n709z)**

An intimate half-hour of Jeff Lynne and long-time collaborator Richard Tandy on piano, playing acoustic versions of many of Jeff's greatest songs including such ELO hits as Evil Woman, Telephone Line and Showdown. Filmed in Lynne's LA studio.

**SAT 01:20 10 Things You Didn't Know About... (b008s99l)**  
[Repeat of broadcast at 20:00 today]

**SAT 02:20 The Sky at Night (b08kbhq4)**  
Fatal Attraction

Black holes are the beating heart of galaxies. It seems that they are pivotal in their evolution, but they also have a destructive side. A dust cloud more massive than the size of the Earth is on a doomed course, as it careers towards the black hole at the centre of our galaxy. Chris Lintoft talks to the Astronomer Royal about this cataclysmic encounter.

**SAT 02:50 Mud, Sweat and Tractors: The Story of Agriculture (b00jwcb1)**  
[Repeat of broadcast at 19:00 today]

## SUNDAY 08 SEPTEMBER 2013

**SUN 19:00 Mud, Sweat and Tractors: The Story of Agriculture (b00jzjs4)**  
Fruit and Veg

A look at the changes in the way fruit and veg was grown, picked and sold, told through three of the staples in the British landscape - apples, strawberries and tomatoes.

Home movies and archive footage reveal the extent of the revolution in how the fruit was picked and the impact supermarkets had on the fortunes of the small- and medium-sized growers.

**SUN 20:00 Ford's Dagenham Dream (b00j0gm)**

Documentary which tells the story of a dream of happy families on wheels that the Ford Motor Company brought from Detroit to Dagenham, then sold to Britain.

From the 1950s onwards Ford revolutionised the cars we drove, producing dream cars for the average British family. In the 60s and 70s Ford sold dreams to boy racers too, but it came at a price. The mass production of motor cars required an army of assembly line workers who did jobs that were infamous for their soul-destroying monotony.

At its peak Dagenham was producing more than 3,000 cars every day and its most popular dream car, the Cortina, sold around five million in Britain alone. But the assembly line workers had a love-hate relationship with the cars they made and for some the dream became a nightmare.

Illustrated with powerful first person testimony and rare archive, this is the story of the rise and fall of Ford's Dagenham dream.

**SUN 21:00 Requiem for Detroit? (b00rkmsy)**

Julien Temple's documentary is a vivid evocation of an apocalyptic vision - a slow-motion Katrina that has had many more victims.

Detroit was once America's fourth largest city. Built by the car for the car, with its groundbreaking suburbs, freeways and shopping centres, it was the embodiment of the American dream. But its intense race riots brought the army into the city. With violent union struggles against the fierce resistance of Henry Ford and the Big Three, it was also the scene of American nightmares.

Now it is truly a dystopic post-industrial city, in which 40 per cent of the land in the centre is returning to prairie. Greenery grows up through abandoned office blocks, houses and collapsing car plants, and swallows up street lights.

Police stations and post offices have been left with papers on the desks like the Marie Celeste. There is no more rush hour on what were the first freeways in America. Crime, vandalism, arson and dog fighting are the main activities in once the largest building in North America. But it's also a source of hope.

Streets are being turned to art. Farming is coming back to the centre of the city. Young people are flocking to help. The burgeoning urban agricultural movement is the fastest growing movement in the US. Detroit leads the way again but in a very different direction.

**SUN 22:15 Silent Souls (b016lr9y)**

A Russian man asks his friend to help bury his beloved wife according to the customs of their ancient Merja culture. The two men set out on a road trip across Russia to cremate her body on the shores of the lake where they had their honeymoon.

In Russian with English subtitles.

**SUN 23:30 The Joy of Disco (b01cqt72)**

Documentary about how a much-derided music actually changed the world. Between 1969 and 1979 disco soundtracked

gay liberation, foregrounded female desire in the age of feminism and led to the birth of modern club culture as we know it today, before taking the world by storm. With contributions from Nile Rodgers, Robin Gibb, Kathy Sledge and Ian Schrager.

**SUN 00:30 TOTP2 (b007v15w)**  
Boogie Fever: A TOTP2 Disco Special

Get your dancing shoes on for a show of disco mania as Steve Wright and the TOTP2 team take you back to the dancefloor for some boogie fever. The Bee Gees are here in all their glory, along with Gloria Gaynor, Liquid Gold, Sylvester, The Village People, The Weather Girls and The Three Degrees.

There's classic dance fodder from Chic, George McCrae, Hi-Tension, Heatwave, The JALN Band, Earth Wind and Fire, Tina Charles, The Gibson Brothers and Edwin Starr, disco pop from Blondie, Yaz, Boney M and Linx, while Sophie Ellis-Bextor and Infernal bring the story up to date.

And then there's the Disco Duck. Sorry...

**SUN 02:00 Queens of Disco (b0074thh)**

Graham Norton profiles the leading ladies of the disco era, including Gloria Gaynor, Donna Summer, Grace Jones, Chaka Khan, Madonna and 'honorary disco queen' Sylvester. Includes contributions from the queens themselves, plus Antonio 'Huggy Bear' Fargas, choreographer Arlene Phillips, songwriters Ashford and Simpson, disco artists Verdine White from Earth, Wind and Fire, Bonnie Pointer of The Pointer Sisters and Nile Rodgers of Chic.

**SUN 03:00 Mud, Sweat and Tractors: The Story of Agriculture (b00jzjs4)**

[Repeat of broadcast at 19:00 today]

## MONDAY 09 SEPTEMBER 2013

**MON 19:00 World News Today (b039vg8t)**

The latest national and international news, exploring the day's events from a global perspective.

**MON 19:30 Nature's Microworlds (b01m42rx)**  
Svalbard

In a revelatory look at Svalbard, the most northerly region in the series, Steve Backshall leaves no stone unturned as he unravels the secrets that lie covered in ice for most of each year. Svalbard is cold, dark and foreboding, yet it is home to the world's largest land predator and the most northerly population of large herbivore. But Steve discovers that the real secret to this place comes from a very different world.

**MON 20:00 Pavlopetri - The City Beneath the Waves (b015yh6f)**

Just off the southern coast of mainland Greece lies the oldest submerged city in the world. It thrived for 2,000 years during the time that saw the birth of western civilisation.

An international team of experts uses cutting-edge technology to prise age-old secrets from the complex of streets and stone buildings that lie less than five metres below the surface of the ocean. State-of-the-art CGI helps to raise the city from the seabed, revealing for the first time in 3,500 years how Pavlopetri would once have looked and operated.

Underwater archaeologist Dr Jon Henderson leads the project in collaboration with Nic Flemming, the man whose hunch led to the discovery of Pavlopetri in 1967, and a team from the Hellenic Ministry of Culture. Working alongside the archaeologists are a team from the Australian Centre for Field Robotics.

The teams scour the ocean floor, looking for artefacts. The site is littered with thousands of fragments, each providing valuable clues about the everyday lives of the people of Pavlopetri. From the buildings to the trade goods to the everyday tableware, each artefact provides a window into a forgotten world.

Together these precious relics provide us with a window to a time when Pavlopetri would have been at its height, showing us what life was like in this distant age and revealing how this city marks the start of western civilisation.

**MON 21:00 Lost Kingdoms of South America (b01q6pzt)**  
The Stone at the Centre

Deep in the Bolivian Andes at the height of 13,000ft stands Tiwanaku, the awe-inspiring ruins of a monolithic temple city. Built by a civilisation who dominated a vast swathe of South

America, it was abandoned 1,000 years ago. For centuries it has been a mystery - how did a civilisation flourish at such an altitude and why did it vanish?

Jago Cooper journeys through Bolivia's spectacular landscape to investigate the origins of Tiwanaku and finds evidence of an ancient people with amazing understanding of their environment, whose religion was based on collective effort and ritual beer drinking.

**MON 22:00 10 Things You Didn't Know About...** (b008s99l)  
[Repeat of broadcast at 20:00 on Saturday]

**MON 23:00 Tribe** (b007yyky)  
Series 3

Akie

Bruce Parry spends time with the Akie people of Tanzania, one of the last groups of hunter-gatherers to live on the African savannah. He is forced to face his biggest fear and put his hand into a bees' nest to gather wild honey.

**MON 00:00 Pavlopetri - The City Beneath the Waves** (b015yh6f)  
[Repeat of broadcast at 20:00 today]

**MON 01:00 Nature's Microworlds** (b01m42rx)  
[Repeat of broadcast at 19:30 today]

**MON 01:30 10 Things You Didn't Know About...** (b008s99l)  
[Repeat of broadcast at 20:00 on Saturday]

**MON 02:30 Lost Kingdoms of South America** (b01q6pzt)  
[Repeat of broadcast at 21:00 today]

**TUESDAY 10 SEPTEMBER 2013**

**TUE 19:00 World News Today** (b039vgbc)  
The latest national and international news, exploring the day's events from a global perspective.

**TUE 19:30 Nature's Microworlds** (b01q7fs8)  
Canada's Coastal Forests

Steve Backshall pulls apart the pieces of Canada's remarkable coastal forest to reveal why this ancient sylvan environment is not only home to some of the largest trees on Earth, but also some of the greatest aggregations of top predators in North America. He untangles the complex relationships between the seasons, the landscape and the wildlife to discover what might be fuelling this forest's prolific productivity and supporting eagles, bears and wolves. In this complex coastal system, the secret to success comes in a remarkable annual event.

**TUE 20:00 A Pembrokeshire Farm** (b007hzf0)  
Episode 1

Griff Rhys Jones begins a personal restoration project at his 200-year-old farmhouse in Pembrokeshire.

**TUE 20:30 Britain on Film** (b036f8nw)  
Series 2

Messing About in Boats

Throughout the 1960s, the short film series Look at Life captured almost every aspect of British society and culture, but its producers had a special fascination for one aspect in particular - our inordinate fondness for boats. This episode examines the films that documented a period that saw a raft of British sailors seeking endurance world records; boatmen and women striving to halt the decline of our rivers and canals; and high tension on the high seas, as disputes over fishing rights prompted the government to send gunboats to escort our trawlers.

**TUE 21:00 Ancient Greece: The Greatest Show on Earth** (b039vj0v)  
Romans

Classicist Dr Michael Scott examines the vital role played by the Romans in the preservation of Greek drama and in the history of theatre. He explores how the Romans absorbed Greek theatre and adapted it to their own, very Roman, ends and looks at how this famous empire provides one of the crucial connections between our modern drama and the great plays of

the ancient Greeks.

**TUE 22:00 Peter and Dan Snow: 20th Century Battlefields** (b007tqcr)  
20th Century Battlefields

1991 Gulf

Dan and Peter Snow go to Kuwait to tell the story of Operation Desert Storm. Dan describes how revolutionary new technology like stealth bombers and precision-guided bombs would make this a battle unlike anything anyone had seen before. The Iraqis may not have had such cutting-edge technology but, back in 1991, they did have weapons of mass destruction - gas attacks were an ever-present fear amongst the Allied soldiers. Dan experiences how just a simple gas mask would have restricted a soldier's ability to fight in such extreme conditions and Peter shows how both sides chose their tactics in a war dominated by cutting-edge technology and ruthless political calculation.

**TUE 23:00 Stories from the Dark Earth: Meet the Ancestors Revisited** (b01skwfd)  
The First Anglo-Saxons

Julian Richards returns to the excavation of two early Anglo-Saxon cemeteries to explore the mystery of the Anglo-Saxon invasions that began after the fall of the Roman Empire. In particular, the rich burial of a warrior and his horse offers up fresh clues to some of the very first pioneers.

**TUE 00:00 Requiem for Detroit?** (b00rkm3y)  
[Repeat of broadcast at 21:00 on Sunday]

**TUE 01:15 Britain on Film** (b036f8nw)  
[Repeat of broadcast at 20:30 today]

**TUE 01:45 A Pembrokeshire Farm** (b007hzf0)  
[Repeat of broadcast at 20:00 today]

**TUE 02:15 Nature's Microworlds** (b01q7fs8)  
[Repeat of broadcast at 19:30 today]

**TUE 02:45 Ancient Greece: The Greatest Show on Earth** (b039vj0v)  
[Repeat of broadcast at 21:00 today]

**WEDNESDAY 11 SEPTEMBER 2013**

**WED 19:00 World News Today** (b039vgbj)  
The latest national and international news, exploring the day's events from a global perspective.

**WED 19:30 Nature's Microworlds** (b01qchb0)  
Great Barrier Reef

Steve Backshall goes beneath the surface of Australia's Great Barrier Reef to discover the crucial conditions that allowed a tiny coral building block to create the largest living structure on the planet. He unravels the complex mosaic of reef environments to reveal the key to the microworld's success, but discovers that life on this coast is not always easy. Nutrient-poor water, enormous storms and rising seas should make it impossible for such a vibrant ecosystem to exist here, so what allows the Great Barrier Reef to not only survive but flourish as the largest reef on Earth?

**WED 20:00 Harlots, Housewives and Heroines: A 17th Century History for Girls** (b01jcc8b)  
Act Two: At Home

Dr Lucy Worsley, historian and Chief Curator of Historic Royal Palaces, explores the ordinary as well as the extraordinary lives of women in the home. This was an age when respectable women were defined by their marital status as maids, wives or widows. If they fell outside these categories they were in danger of being labelled whores or, at worst, witches.

While history has left many women voiceless over the centuries, Lucy discovers that in the Restoration a surprising number of women were beginning to question their roles in relationship to their husbands, their position in the home, their attitudes to sex and, most importantly, the expectation to produce children.

Meeting a host of experts and experiencing what life was like behind closed doors, Lucy explores whether their lives changed for better or worse during the second half of the 17th century.

**WED 21:00 Sex: A Horizon Guide** (b039vj9x)

Sex is a simple word for a very complex set of desires. It cuts to the core of our passions, our wants, our emotions. But when it goes wrong, it can be the most painful thing of all. Professor Alice Roberts looks through 45 years of Horizon archive to see how science came to understand sex, strived to solve our problems with it and even helped us to do it better. Can science save the day when sex goes wrong?

**WED 22:00 Secret Knowledge** (b039hlp0)  
The Art of Witchcraft

Artist Lachlan Goudie presents a highly personal documentary, inspired by his father, in which he investigates why witches have cast such a powerful spell over generations of artists.

From early woodcuts of shrieking hags to Victorian depictions of the seductive sorceress, our familiar stereotypes of the witch have been conjured up from artists' imaginations and in The Art of Witchcraft, Lachlan marvels at the enduring power of their imagery, reveals the role that some artists played in fuelling the hysteria of the witch trials and argues that the witch in art offers a vivid commentary on changing attitudes to sex, superstition and the supernatural.

**WED 22:30 Lost Kingdoms of South America** (b01q6pzt)  
[Repeat of broadcast at 21:00 on Monday]

**WED 23:30 Pavlopetri - The City Beneath the Waves** (b015yh6f)  
[Repeat of broadcast at 20:00 on Monday]

**WED 00:30 Nature's Microworlds** (b01qchb0)  
[Repeat of broadcast at 19:30 today]

**WED 01:00 Harlots, Housewives and Heroines: A 17th Century History for Girls** (b01jcc8b)  
[Repeat of broadcast at 20:00 today]

**WED 02:00 Secret Knowledge** (b039hlp0)  
[Repeat of broadcast at 22:00 today]

**WED 02:30 Sex: A Horizon Guide** (b039vj9x)  
[Repeat of broadcast at 21:00 today]

**THURSDAY 12 SEPTEMBER 2013**

**THU 19:00 World News Today** (b039vgbp)  
The latest national and international news, exploring the day's events from a global perspective.

**THU 19:30 Top of the Pops** (b03b45h2)  
Paul Burnett presents the weekly pop chart show featuring the Buzzcocks, Leo Sayer, Stephen Bishop, the Three Degrees, Abba, David Essex, 10cc and a Legs & Co dance sequence.

**THU 20:00 Nelson's Caribbean Hell-hole: An Eighteenth Century Navy Graveyard Uncovered** (b01s6gix)  
Human bones found on an idyllic beach in Antigua trigger an investigation by naval historian Sam Willis into one of the darkest chapters of Britain's imperial past. As archaeologists excavate a mass grave of British sailors, Willis explores Antigua's ruins and discovers how the sugar islands of the Caribbean were a kind of hell in the age of Nelson.

Sun, sea, war, tropical diseases and poisoned rum.

**THU 21:00 Sound of Cinema: The Music That Made the Movies** (b03b45h4)  
The Big Score

In a series celebrating the art of the cinema soundtrack, Neil Brand explores the work of the great movie composers and demonstrates their techniques. Neil begins by looking at how the classic orchestral film score emerged and why it's still going strong today.

Neil traces how in the 1930s, European-born composers such as Max Steiner and Erich Wolfgang Korngold brought their Viennese training to play in stirring, romantic scores for Hollywood masterpieces like King Kong and The Adventures of Robin Hood. But it took a home-grown American talent, Bernard Herrmann, to bring a darker, more modern sound to some of cinema's finest films, with his scores for Citizen Kane, Psycho and Taxi Driver.

Among those Neil meets are leading film-makers and

composers who discuss their work, including Martin Scorsese and Hans Zimmer, composer of blockbusters like *Gladiator* and *Inception*.

**THU 22:00 The Ipress File (b0074sv0)**

Spy thriller in which intelligence agent Harry Palmer is plunged into the shabby and treacherous world of counter-espionage as he uncovers a bizarre brain drain among scientists. Based on the novel by Len Deighton.

**THU 23:45 Ancient Greece: The Greatest Show on Earth (b039vj0v)**

[Repeat of broadcast at 21:00 on Tuesday]

**THU 00:45 Peter and Dan Snow: 20th Century Battlefields (b007tqcr)**

[Repeat of broadcast at 22:00 on Tuesday]

**THU 01:45 Top of the Pops (b03b45h2)**

[Repeat of broadcast at 19:30 today]

**THU 02:25 Sound of Cinema: The Music That Made the Movies (b03b45h4)**

[Repeat of broadcast at 21:00 today]

**FRIDAY 13 SEPTEMBER 2013**

**FRI 19:00 World News Today (b039vgbv)**

The latest national and international news, exploring the day's events from a global perspective.

**FRI 19:30 BBC Proms (b03b3hfs)**

2013

Proms on Four: The Film Music Prom

Neil Brand presents a special night of music from the movies, with war and science-fiction looming large. Keith Lockhart conducts the BBC Concert Orchestra at the Royal Albert Hall in Walton's largely-rejected original score for *Battle of Britain*, Bond composer David Arnold's *Independence Day* end titles, and Richard Strauss and Ligeti as used by Stanley Kubrick in 2001: *A Space Odyssey*.

Also, possibly the most famous film music ever - John Williams's *Star Wars*, a world premiere of Giacchino's music for *Star Trek: Into Darkness* and much more.

**FRI 21:30 The Joy of Easy Listening (b011g614)**

In-depth documentary investigation into the story of a popular music genre that is often said to be made to be heard but not listened to. The film looks at easy listening's architects and practitioners, its dangers and delights, and the mark it has left on modern life.

From its emergence in the 50s to its heyday in the 60s, through its survival in the 70s and 80s and its revival in the 90s and beyond, the film traces the hidden history of a music that has reflected society every bit as much as pop and rock - just in a more relaxed way.

Invented at the dawn of rock 'n' roll, easy listening has shadowed pop music and the emerging teenage market since the mid-50s. It is a genre that equally soundtracks our modern age, but perhaps for a rather more 'mature' generation and therefore with its own distinct purpose and aesthetic.

Contributors include Richard Carpenter, Herb Alpert, Richard Clayderman, Engelbert Humperdinck, Jimmy Webb, Mike Flowers, James Last and others.

**FRI 23:00 The Andy Williams Show (b00n5bt9)**

Duets

Compilation of the best duets selected from crooner Andy Williams's private archive of his weekly 1960s variety show on NBC. The show attracted the cream of the crop from the world of showbiz, from Bing Crosby and Ray Charles to Johnny Mathis and Ella Fitzgerald, who were more than happy to share the microphone with the king of easy listening.

Including *Over the Rainbow* with Judy Garland, and Andy at the piano with Ray Charles for *What'd I Say*.

**FRI 00:00 The Andy Williams Show (b00n806r)**

Solo

A collection of the original *American Idol*'s greatest hits and

special performances from his weekly variety show, broadcast in the United States on NBC between 1962 and 1971. Including classic tracks *Moon River*, *Days of Wine and Roses* and *Music To Watch Girls By*.

**FRI 00:30 Carole King and James Taylor: Live at the Troubadour (b00sftvw)**

Carole King and James Taylor reunited at the intimate Hollywood venue in concert in 2007 to play their era-defining hits, nearly four decades after they first performed at the Troubadour in November 1970, a year before their *Tapestry* and *Sweet Baby James*' albums stormed the American charts. King and Taylor are backed by the Section, the same band that propelled those albums into homes around the world.

James Taylor had released his first album on the Beatles' Apple label, Carole King was struggling to forge a new solo career after being one half of Goffin-King, one of the great Brill Building songwriting partnerships of the early 60s. Their musical friendship blossomed with Taylor's support for King and his cover of her song *You've Got a Friend*. The Troubadour became the centre of a new singer-songwriter culture that also featured the likes of Jackson Browne, Bonnie Raitt and many more.

**FRI 01:30 The Joy of Easy Listening (b011g614)**

[Repeat of broadcast at 21:30 today]

**FRI 03:00 The Andy Williams Show (b00n5bt9)**

[Repeat of broadcast at 23:00 today]