

## **Public Service Broadcaster (PSB) Purposes in Science:**

- To entice people into the world of science by revealing it to be as emotional, entertaining, exciting and dramatic as all other spheres of human activity.
- To inform the critical debates that will define the direction of 21st century life, centred on scientific, technological and medical advances:  
genetic engineering; climate change; environment; energy consumption; digital technology; psycho-active (mind-altering) pharmaceuticals; IVF; longevity.

## **Public Service Broadcaster (PSB) Purposes in Science:**

To build towards a scientifically literate public, better equipped to handle their modern world, by offering a window into the following core content:

- The story of our planet, its origins, its evolution, its integral connection to life, and our place on it.
- The principle of the scientific method as revealed in the emergence of reasoning and empirical experiment in the 17th & 18th century Enlightenment (history of science)
- The key scientific, technical and medical advances of the last 150 years, on which the modern world is built: evolution; relativity; power; flight; telecommunications; computing; atomic energy; antibiotics; DNA.

# HORIZON 2007

- My Pet Dino
- The Elephant's Guide to Sex
- Professor Regan's Beauty Parlour
- Mad but Glad
- Moon for Sale
- Skyscraper Fire Fighters
- The Six Billion Dollar Experiment

# HORIZON 2007

- How to commit the perfect murder
- Battle of the brains
- Everest: doctors in the death zone x2

# BBC SCIENCE TV OUTPUT 2007

- Climate change: Britain under threat  
BBC1 January
- Crisis at Jimmy's Farm x4 BBC2 Aug/Sep
- Earth: the power of the planet x5 BBC2 Nov/Dec
- Fight for life x6 BBC1 July/Aug
- Horizon x11 BBC2 Spring
- James May's 20th century x6 BBC2 July
- Jimmy's Farm Diaries x6 BBC2 Jan/Feb

# BBC SCIENCE TV OUTPUT 2007

- Medical Mavericks x4 BBC4 Feb
- Nuclear Secrets x5 BBC2 Jan/Feb
- Superstorm x3 BBC1 April
- The Science of Superstorms x3 BBC2
- The Truth about Food x 6 BBC2 Jan/Feb
- Visions of the Future x3 BBC4 Nov
- History programmes with science element

# SCIENCE

Radio 4

## LEADING EDGE

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- News|Currt Affairs
- Arts and Drama
- Comedy|Quizzes
- Science
- Religion|Ethics
- History
- Factual

### TOP PROGRAMMES THIS WEEK:

- The Archers
- Today Programme
- Woman's Hour
- In Our Time
- You and Yours
- Front Row
- Afternoon Play
- Book of the Week
- File on 4
- The News Quiz

### PROGRAMME INFO

Thursday 21:00-21:30

Leading Edge brings you the latest news from the world of science. Geoff Watts celebrates discoveries as soon as they're being talked about - on the internet, in coffee rooms and bars; often before they're published in journals. And he gets to grips with not just the science, but with the controversies and conversation that surround it.

Contact Leading Edge

LISTEN AGAIN 30 min

Listen to the Latest Programme

### PRESENTER

GEOFF WATTS



### PROGRAMME DETAILS

Thursday 22 November 2007



New research shows that females can control the chemical conditions in their womb.

### The future for stem cells

Two research teams, one in Japan, the other in the United States, have independently succeeded in producing human stem cells using a new method that doesn't first require the creation of a cloned embryo.

Could this new work signal the end of embryonic stem cells and the controversy that goes with them?

### Climate Change and world food

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### SCIENCE PUZZLES

Maths, Physics, Chemistry, Genetics, Nature... Can you solve our Science Puzzles?

### PREVIOUS PROGRAMMES

- 15 November
- 08 November
- 01 November
- 25 October
- 26 July
- 19 July
- 12 July
- 5 July
- 28 June
- 21 June
- 14 June
- 07 June
- 19 April
- 12 April

Latest Programme

### SCIENCE PROGRAMMES

- Adventures in Science
- Another Five Numbers
- The Art of Indecision
- A Brief History of the End of Everything
- Connect

# SCIENCE

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## THE MATERIAL WORLD

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[Today Programme](#)

[Woman's Hour](#)

[In Our Time](#)

### PROGRAMME INFO

Thursday 16:30-17:00

Quentin Cooper reports on developments across the sciences. Each week scientists describe their work, conveying the excitement they feel for their research projects.

[Contact Material World](#)

[LISTEN AGAIN](#) 30 min

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### PRESENTER

QUENTIN COOPER

### PROGRAMME DETAILS

Thursday 22 November 2007



Professor Clive Beggs gets ready to do battle with the superbugs ...

## Superbugs

If you go into hospital without one, there's a one-in-ten chance of picking one up while you're there: a hospital acquired infection.

It could be minor or it could be an antibiotic-resistant superbug like MRSA or C. difficile.



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### TOP PROGRAMMES THIS WEEK:

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[Today Programme](#)

[Woman's Hour](#)

[In Our Time](#)

[You and Yours](#)

### PROGRAMME INFO

Wednesday 21:00-21:30

Frontiers explores new ideas in science, meeting the researchers who see the world through fresh eyes and challenge existing theories - as well as hearing from their critics. Many such developments create new ethical and moral questions and Frontiers is not afraid to consider these.

[Contact Frontiers](#)

[LISTEN AGAIN](#) 30 min

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### PROGRAMME DETAILS

Wednesday 21 November 2007



Barbel Auffermann from the Neanderthal Museum shows Andrew where Neanderthal bones were first discovered in 1856.

### Neanderthal DNA

In the first programme in a new series of *Frontiers*, Andrew Luck-Baker meets geneticists who are trying to extract nuclear DNA from Neanderthal bones. Within the next year, they hope to have sequenced the entire Neanderthal genome.

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# SCIENCE

Radio 4

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[Today Programme](#)

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[You and Yours](#)

## LISTEN TO THE LATEST PROGRAMMES

**Abduction, Alienation and Reason**

[LISTEN](#) 

**All in the Mind**

2100-2130, Tuesday  
1630-1700, Wednesday

[LISTEN](#) 

**Am I Normal?**

[LISTEN](#) 

**An Earth Made for Life**

[LISTEN](#) 

**Another 5 Numbers**

[LISTEN](#) 

**Arctic Meltdown**

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**Arthur C Clarke: the Science and the Fiction**

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**Balance of the Sexes**

[LISTEN](#) 

**Battle for Birth**

**Britain's Modern Brunels**

[LISTEN](#) 

**Building a Healthier Britain**

[LISTEN](#) 

**Caring beyond Reason**

[LISTEN](#) 

**Case Notes**

## THE NATURE BLOG

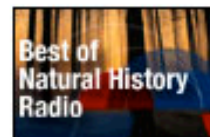
Follow the work of the Natural History Unit in our wildlife blog.



## THE BEST OF NATURAL HISTORY

Weekly podcast.

Sign up for the podcast and receive the best of the BBC's Natural History radio.



## MEDICAL MATTERS

Weekly podcast.

The latest medical information and advice from Radio 4's health programmes.



## LEADING EDGE

Thursday 9.00-9.30pm

Discoveries, debates, hot topics and news reports from the world of science. Presented by Geoff Watts.



## THE MATERIAL WORLD

## LISTEN LIVE

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**BBC NEWS:** Science & Health

Men motivated by 'superior wage'  
Deal signed for 'super-satellite'

Sex infections continue to rise  
Illegal abortions still blight UK

## ENVIRONMENTAL INDEX

## ENVIRONMENTAL PROGRAMMES & LINKS

Read the Natural History Unit's blog about past and future radio series.

## WHAT'S ON - SCIENCE

[Forthcoming Programmes](#)

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# SCIENCE

Radio 4

## CHECK UP

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### PROGRAMME INFO

Thursday 15:00-15:30

Check Up is your chance to talk to doctors about the health issues that most concern you and your family. Each week Barbara Myers is joined by a medical expert to take your calls and emails on a particular topic and give you the most up to date advice. No appointment necessary.

Call 0870 010 0444

[Contact Check Up](#)

[LISTEN AGAIN](#) 30 min

[Listen to 6 September](#)

### PRESENTER

BARBARA MYERS



**"There is no substitute**

### PROGRAMME DETAILS

Thursday 6 September 2007



[Full programme transcript >>](#)

### The Prostate

It's the size of a walnut, hidden behind the bladder and few of us really know why it's there.

Yet this little known gland - the prostate - causes almost a quarter of all male cancers.

Being over fifty, Afro-Caribbean or having a family history of the disease increases your risk, as does a diet high in animal fat and low in fruit and vegetables.

Often there are no symptoms, but when they do occur they may

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# SCIENCE

Radio 4

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### PROGRAMME INFO

Tuesday 21:00-21:30  
Repeat Wednesday 16:30

Dr Mark Porter gives listeners the low-down on what the medical profession does and doesn't know. Each week an expert in the studio tackles a particular topic and there are reports from around the UK on the health of the nation - and the NHS.

[Contact Case Notes](#)

[LISTEN AGAIN](#) 30 min

[Listen to 30 October](#)

### PRESENTER

DR MARK PORTER



### PROGRAMME DETAILS

Tuesday 30 October 2007



[Full programme transcript >>](#)

## Meningitis

In this episode of *Case Notes*, Dr Mark Porter examines bacterial meningitis in children.

Bacterial forms of meningitis (more so than the milder, viral types) can be lethal - and none more so than those caused by the meningococcus bacterium.

The Group B type, the commonest strain of bacterium, is the most feared, and can present in a number of ways:

It can infect the coverings of the

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# THE MEMORY EXPERIENCE

A JOURNEY OF SELF DISCOVERY



**HIGHLIGHTS**

**In My Pram I Remember**  
Early memories confound scientific belief

**All Programmes**

**THE RESULTS**

**The Survey Results**  
Read and listen to the round up

**The Results**

**IMPROVE**




Read tips that will help you remember like an elephant

**read techniques**

**Imagery**  
**Chunking**  
**It's all about me!**  
**more articles**

**SHARE**




Read stories from the biggest ever survey of the nation's memories

**join the survey**

**About the survey**  
**Read memories**

**UNDERSTAND**



Understand what goes on to make your memory work

**learn more**

**Autobiographical memory**  
**Semantic memory**  
**Working memory**  
**more articles**

**TEST YOUR MEMORY**

**Try the memory test**  
Try some fun memory challenges and discover how well your memory works



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## Discovery

  [AUDIO](#) Listen to Discovery

Updated weekly at 12:32 GMT on Wednesday

### Latest edition: 21st November

A person dies from hunger or malnutrition in the world on average every five seconds. That's about the time it takes to read this sentence.



With an expanding world population; and global change causing more droughts, floods and storms, the outlook could be even worse. It might take a new green revolution to feed the world.

Spearheading that revolution is a controversial technology - GM; Genetically Modified crops.

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## Science in Action

A-Z PROGRAMMES LIST

SCIENCE/TECHNOLOGY



Listen to Science in Action  
Updated weekly at 12:32 GMT on Friday

This weeks Science in Action is presented by Sue Broom.

### Skin cells reprogrammed

Further breakthroughs in stem cell research reported this week.

We hear from two scientists from independent teams who've managed to reprogramme human skin cells to behave like embryonic stem cells.

Professor Azim Surani from the University of Cambridge explains the change in approach.

[▶ Science Express](#)

[▶ Cell](#)

### Giant sea scorpion fossil claw

The finding of a giant fossilised claw has revealed the largest ever arthropod to have



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## Health Check

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SCIENCE/TECHNOLOGY



Listen to Health Check

Updated weekly at **12:32 GMT on Monday**

### Relatives in the resuscitation room

You might think that the last thing you'd want to do when you've heard that a loved-one is dangerously ill in the accident and emergency department of a hospital is to watch the doctors attempting to resuscitate them.



Claudia Hammond

New research suggests, however, that letting people into the resuscitation room can help both relatives and staff.

Wendy Walker, Lecturer in Nursing at the University of Birmingham, explains that being able to see the lengths the medical staff go to save the patient, and simply being able to stay with their relative, can be very helpful in overcoming the ordeal.

### Health services on Easter Island

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ON THIS DAY

Last Updated: Tuesday, 20 November 2007, 12:34 GMT

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## Digital Planet

Welcome to Digital Planet, the weekly BBC World Service programme that reports on technology stories from around the globe.

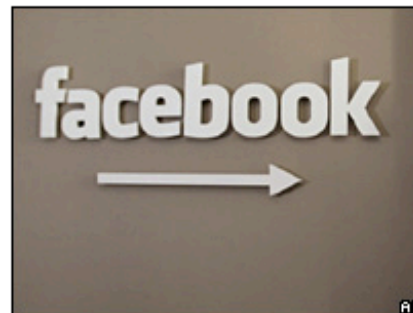
On this week's Digital Planet Gareth Mitchell finds out how scientists in Bangladesh predicted when and where Cyclone Sidr would hit.

And how spending too much time online could easily be noticed by your boss.

### STORM WARNING

Cyclone Sidr hit Bangladesh on November 15th bringing winds of up to 240km/h (150mph) and a tidal surge of several metres.

Scientists working at the Bangladesh Meteorological Department calculated where and when the storm would



Should Facebook be banned from the office?

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#### SEE ALSO

- Colossus loses code-cracking race
- 16 Nov 07 | Technology

#### RELATED INTERNET LINKS

- Bangladesh Meteorological Department
- Internet Governance Forum
- Bletchley Park

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- Young warned over social websites
- Warning on e-government 'risks'
- Amazon Kindle sells out on debut

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