As Seen On TV: Using broadcast media in bioscience teaching

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Outline of session

• Examples uses of TV in teaching
• Finding and sharing materials
  - Biology on the Box
• Introduction to TRILT and BoB
Overview

- Multimedia (esp visual media) can be integrated into teaching in variety of ways

Video production
Use of broadcast clips
News analysis
Overview

- Multimedia (esp visual media) can be integrated into teaching in variety of ways

Use of broadcast clips
Using TV for University Teaching

Harry and Paul’s Story of the Twos
https://learningonscreen.ac.uk/ondemand/index.php/clip/11335
Example uses
Example uses: (1) Documentary

A Child Against All Odds
https://learningonscreen.ac.uk/ondemand/index.php/clip/11337
Example uses: (2) Scene-setter

Die Another Day
https://learningonscreen.ac.uk/ondemand/index.php/clip/11336
https://learningonscreen.ac.uk/ondemand/index.php/clip/11161
Example (2): Context and use

- Introduction to Year 2 lecture on Gene Therapy
Example (2): Context and use

- Introduction to Year 2 lecture on Gene Therapy
- Used precisely because it is so wrong
Example (2): Context and use

• Introduction to Year 2 lecture on Gene Therapy
• Used precisely because it is so wrong
• Set scene for more accurate discussion on the approach (including another clip, from Horizon)
Example uses: (3a) Discussion

Holby City: “Better The Devil You Know”
https://learningonscreen.ac.uk/ondemand/index.php/clip/12052
Example uses: (3a) Discussion

• Pete has kidney failure and is being offered the last opportunity of a transplant, using a kidney from a pig.

• What ethical arguments might there be for/against this operation?

• What scientific concerns might there be about an operation of this sort?

• If you were Pete’s friend would you suggest that he accepts the doctor’s offer? Why/why not?
Example (3b): Context and use

- Video from Brainiac: Science abuse
Example (3b): Context and use

- Video from *Brainiac: Science abuse*
- Used in a Year 1 tutorial on Experimental Design
Example (3b): Discussion

- Students watch short clip describing an experiment to investigate whether you can smell if someone is afraid

- Having watched the clip, they discuss:
  - what was good about the design of the expt?
  - what was wrong with the experiment?

http://tinyurl.com/terrorface1
Example (3b): Discussion

Brainiac Science Abuse: The Smell of Fear
https://learningonscreen.ac.uk/ondemand/index.php/clip/11297
https://learningonscreen.ac.uk/ondemand/index.php/clip/11298
Example (3b): Discussion

• watch this short clip describing an experiment to investigate whether you can smell if someone is afraid

• having watched the clip, consider:
  - what was good about the design of the expt?
  - what was wrong with the experiment?

http://tinyurl.com/terrorface1
Good aspects of Brainiac expt?
Good aspects of Brainiac expt?

• included a negative control (no fear, no sport)
• all subjects carried out their activity for same time
• all subjects were “sniffed” by same person
• all subjects were same gender
• ...but little else is good
What was wrong with this expt?
What was wrong with this expt?

- only one “sniff-er”
- only three “sweat-ers”
- was not the same person on crane/running/relaxing
- distance nose-to-armpit not same in all cases
- may have been other explanations for the observed differences, e.g.
  - natural body odour differences between the three
  - use of deodorant
  - eating of smelly foods
- olfactory fatigue/adaptation may have occurred
Design a better version

- work with those sitting near you to design a better experiment looking into whether it is possible to smell fear

http://tinyurl.com/arm pitsniffing1
A more scientific approach

Induction of Empathy by the Smell of Anxiety

Alexander Prehn-Kristensen¹, Christian Wiesner², Til Ole Bergmann³, Stephan Wolff⁴, Olav Jansen⁴, Hubertus Maximilian Mehdorn⁵, Roman Furst⁶, Bettina M. Pause⁶∗

1 Center of Integrative Psychiatry, University of Kiel, Kiel, Germany, 2 Department of Psychology, University of Kiel, Kiel, Germany, 3 Department of Neurology, University of Kiel, Kiel, Germany, 4 Department of Neuroradiology, Schleswig-Holstein University Hospital (UK-SH), Kiel, Germany, 5 Department of Neurosurgery, Schleswig-Holstein University Hospital (UK-SH), Kiel, Germany, 6 Department of Experimental Psychology, University of Duesseldorf, Duesseldorf, Germany

Abstract

The communication of stress/anxiety between conspecifics through chemosensory signals has been documented in many vertebrates and invertebrates. Here, we investigate how chemosensory anxiety signals conveyed by the sweat of humans (N = 49) awaiting an academic examination are processed by the human brain, as compared to chemosensory control signals obtained from the same sweat donors in a sport condition. The chemosensory stimuli were pooled according to the donation condition and administered to 28 participants (14 males) synchronously to breathing via an olfactometer. The stimuli were perceived with a low intensity and accordingly only about half of the odor presentations were detected by the participants. The fMRI results (event-related design) show that chemosensory anxiety signals activate brain areas involved in the processing of social emotional stimuli (fusiform gyrus), and in the regulation of empathic feelings (insula, prefrontal, cingulate cortex). In addition, neuronal activity within attentional (thalamus, dorsomedial prefrontal cortex) and emotional (cerebellum, vermis) control systems were observed. The chemosensory perception of human anxiety seems to automatically recruit empathy-related resources. Even though the participants could not attentively differentiate the chemosensory stimuli, emotional contagion seems to be effectively mediated by the olfactory system.


Editor: Jan Lauwereyns, Victoria University of Wellington, New Zealand

http://tinyurl.com/anxietytypaper
Example uses: (4) Full programme
Example uses: (4) Full programme

The Cell (2): The Chemistry of Life
https://learningonscreen.ac.uk/ondemand/index.php/clip/11246
Example (4): Context and use

• Year 1 double lecture session (video lasts 60 mins)
Example (4): Context and use

- Year 1 double lecture session (video lasts 60 mins)
- A beautiful walk through the history of expts that identified DNA as the molecule of inheritance
Example (4): Context and use

- Year 1 double lecture session (video lasts 60 mins)
- A beautiful walk through the history of experiments that identified DNA as the molecule of inheritance
- Students provided with a structured worksheet to aid note-taking during episode

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**Episode 2: The Chemistry of Life**

(see [http://www.bbc.co.uk/programmes/b00m6nhq](http://www.bbc.co.uk/programmes/b00m6nhq))

Friedrich Miescher (Tubingen)

Theodore Boveri (Bay of Naples)

Thomas Hunt Morgan (Columbia University, New York)

Fred Griffith (Ministry of Health, London) and Oswald Avery (Rochester Institute, New York)
Example (4): Full programme

- Difficult to fit full episode into lecture slot?
Example (4): Full programme

- Difficult to fit full episode into lecture slot?
- Not best use of F2F time?
Example (4): Full programme

- Difficult to fit full episode into lecture slot?
- Not best use of F2F time?
- BoB raises potential for requiring students to watch programme before lecture or tutorial
Example (4): Full programme

• Difficult to fit full episode into lecture slot?
• Not best use of F2F time?
• BoB raises potential for requiring students to watch programme before lecture or tutorial
• Flipped classroom
Example (4): Full programme

- Difficult to fit full episode into lecture slot?
- Not best use of F2F time?
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- Flipped classroom

- “Viewing lists” as well as “reading lists” for module
Example (4): Full programme

- Difficult to fit full episode into lecture slot?
- Not best use of F2F time?
- BoB raises potential for requiring students to watch programme before lecture or tutorial
- Flipped classroom
- “Viewing lists” as well as “reading lists” for module
- But how do I know what’s worth showing?
Biology on the Box
Biology on the Box

- Recommendations for TV (and radio) footage that can be used for enriching bioscience teaching
Biology on the Box

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- Primarily designed for use in conjunction with Box ofBroadcasts.

On Demand TV and Radio for Education
Biology on the Box

- Recommendations for TV (and radio) footage that can be used for enriching bioscience teaching
- Primarily designed for use in conjunction with Box of Broadcasts
- Programme tips equally valid without BoB, just harder to get hold of
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- Recommendations for TV (and radio) footage that can used for enriching bioscience teaching
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- Programme tips equally valid without BoB, just harder to get hold of
- Sharing best practice
  - metadata & keywords
  - describe usage
Biology on the Box

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- Primarily designed for use in conjunction with Box of Broadcasts
- Programme tips equally valid without BoB, just harder to get hold of
- Sharing best practice
  - metadata & keywords
  - describe usage
- A collaborative project
  - students as producers
  - different institutions
Biology on the Box

- Biologyonthebox.wordpress.com
- Started September 2014
The Private Life of Plants

Broadcasters: BBC2

Year: 2013 & 2014 (originally shown 1995)

Genre: Documentary

The classic six-part series featuring David Attenborough – no notes yet, please feel free to offer recommendations for teaching using these programmes.

Episodes (50 mins each)

1. Travelling http://bobnational.net/record/253535
2. Growing http://bobnational.net/record/253536
3. Flowering http://bobnational.net/record/289579
4. The Social Struggle http://bobnational.net/record/289580
5. Living Together http://bobnational.net/record/289581
6. Surviving http://bobnational.net/record/289582
Various styles

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Episodes (50 mins each)

1. Travelling http://bobnational.net/record/222438
2. Growing http://bobnational.net/record/222438
3. Flowering http://bobnational.net/record/222438
4. The Social Struggle http://bobnational.net/record/222438
5. Living Together http://bobnational.net/record/222438
6. Surviving http://bobnational.net/record/222438

The Cell

Broadcaster: BBC
Year: 2009
Genre: Documentary

Series of three hour-long documentaries presented by geneticist Adam Rutherford.

1. The Hidden Kingdom

http://bobnational.net/record/222439

The three part series is an excellent introduction to our developing understanding of cell biology.
Various styles

Clip within programme...

Vaccination: From Jenner to Foot & Mouth Disease (Countryfile)

MAY 11, 2015 / CHRIS WILLMOTT / LEAVE A COMMENT / EDIT

Broadcaster: BBC 1

Year: 2015

Genre: Magazine

Edward Jenner made a crucial breakthrough in developing vaccination, though his experiment was unethical by modern standards.

URL: http://bobnational.net/record/294432

The role of Edward Jenner in developing vaccination has been told many times on TV. This 6.5 minute clip from a Countryfile "Heroes of farming" special visits Jenner's house
Various styles
Clip within programme...
... plus structured activities

Can you smell fear?

SEPTEMBER 11, 2014 / CHRIS WILLMOTT / LEAVE A COMMENT / EDIT

Broadcaster: Challenge

Year: 2014

Genre: Popular Science, Edutainment

http://bobnational.net/record/226469

The maverick series Brainiac: Science abuse originally ran on Sky One between 2003 and 2008. This clip (2.5 mins) within Box of Broadcasts is taken from a 2014 repeat shown on Challenge.

Edward Jenner made a crucial breakthrough in developing vaccination, though his experiment was unethical by modern standards.
Various styles

DNP: A mitochondrial "uncoupler"

APRIL 21, 2015 / CHRIS WILLMOTT / LEAVE A COMMENT / EDIT

Broadcaster: ITV 1

Year: 2015

Genre: News, Factual

URL:

http://bobnational.net/record/290674

This 5 minute piece from the ITV news describes the tragic death of a student.
Eloise Parry took slimming pills she had bought on the internet. Unfortunately the tablets in question contained 2,4-dinitrophenol (sometimes called "DNP"). DNP is a mitochondrial uncoupler; it is capable of inhibiting mitochondrial ATP synthesis without inhibiting any specific factor within the electron transport chain (ETC). It appear to do so by binding protons directly and, due to it being lipid soluble, simply carries them across the membrane, causing collapse of the proton motive force.
Various styles

DNP: A mitochondrial "uncoupler"

APRIL 21, 2015 / CHRIS WILLMOTT / LEAVE A COMMENT / EDIT

Broadcaster: ITV 1
Year: 2015
Genre: News, Factual
URL: http://bobnational.net/record/290674

This 5 minute piece from the ITV news describes the tragic death of a student. Eloise Parry took slimming pills she had bought on the internet. Unfortunately the tablets in 2,4-dinitrophenol (sometimes called "DNP"). DNP is capable of inhibiting mitochondrial ATP synthesis within the electron transport chain (ETC). It appears and, due to it being lipid soluble, simply carries then collapse of the proton motive force.

O’Neill Report on Antimicrobial Resistance

MAY 16, 2015 / CHRIS WILLMOTT / LEAVE A COMMENT / EDIT

Broadcaster: various
Year: 2015
Genre: News

From time to time we will use BiologyOnTheBox to aggregate coverage on the same story from a number of different broadcast sources. This is one such post.

In 2014, David Cameron established a Review on Antimicrobial Resistance, under the chairmanship of economist Jim O’Neill (the man previously credited with coining the acronym BRIC to group together the emerging economies in Brazil, Russia, India and
Cuckoo migration (Today)

MAY 12, 2015 / CHRIS WILLMOTT / 1 COMMENT / EDIT

Broadcaster: Radio 4

Year: 2015

Genre: Radio, interview

URL:
http://bobnational.net/record/293228

A four minute interview with Chris Hewson from the British Trust for Ornithology about satellite tracking of a cuckoo called “Chris”, over the past four years. Chris (the cuckoo) has visited 28 countries at that time and has made four journeys over the Sahara. Prior to this project, very little was known about the migration of cuckoos which are a species in serious decline. Cuckoos seem to all congregate in the Congo, but get there via two different routes via Italy or via Spain. It appears that going via the Spanish route is much more perilous to the birds.
Rise of the Planet of the Apes

AUGUST 31, 2015 / CHRIS WILLMOTT / LEAVE A COMMENT / EDIT

Broadcaster: Film 4

Year: 2014 (cinema release 2011)

Genre: Film, Fiction, Science Fiction

The first film in the re-launched franchise is rich in ethical dilemmas

URL:
http://bobnational.net/record/311758

*Rise of the Planet of the Apes* is the first of the re-launched film series (followed by the vastly inferior *Dawn of the Planet of the Apes*). The film is a veritable feast of bioethics issues. To find out more please take a visit to our sister site Bioethicsbytes (follow this link). The IMDb page for the film can be found via this link.
Miracle cure? A decade of the human genome (Horizon)

MAY 1, 2015 / AE157 / LEAVE A COMMENT / EDIT

Broadcaster: BBC 2

Year: 2010

Genre: documentary

URL: http://bobnational.net/record/291912

Review by Amy Evans

“Picture a world where cancer was cured by a packet...”
The BBC Horizon series, looks at the promises and hopes of sequencing the human genome and how, a decade of the complete sequence, the information gained from...
Performance enhancing drugs: the dark side of doping

Broadcaster: Al Jazeera

Year: 2015

Genre: Documentary

URL: http://bobnational.net/record/351053

Review by Ella Yabsley

In this Al Jazeera Investigates

Sprinter Tim Montgomery was the 100 metre world record holder, but was later caught using performance-enhancing drugs and was banned.

TB: Return of the Plague

February 13, 2016 / ItalyInspired / Leave a Comment / Edit

TB declared the current TB epidemic a national emergency

we have on the table. The reality

90 minute) documentary TB:
GM Foods – Cultivating Fear (Panorama)

JUNE 19, 2015 / CHRIS WILLMOTT / EDIT

Broadcaster: BBC 1

Year: 2015

Genre: Documentary

URL: http://bobnational.net/record/299847

Review by Prof John Bryant (University of Exeter)

Fierce opposition to the growth of GM crops, especially in Europe, goes back to the late 1990s, shortly after the first commercial crops were bred by these techniques. One of the most unfounded claims is that GM crops are not safe. The majority of scientific opinion supports the safety of modern GM crops, and the few studies that have suggested potential risks have usually been shown to be flawed or not properly controlled. The latest evidence suggests that GM crops are generally safe, and that concerns over their safety have been exaggerated.

Adaptation in action (Life)

AUGUST 5, 2015 / CHRIS WILLMOTT / EDIT

Broadcaster: BBC 1

Year: 2009

Genre: Documentary

URL:
http://bobnational.net/record/135053

Notice that the side of the chameleon nearest the sun goes dark, whilst the other side is white

Reviewed by Dr Steve Maw (University of Leeds)

This short clip (1 min 20 seconds) taken from the BBC series Life features the Namaqua Chameleon. At first sight a chameleon is an odd creature to find in the desert and that’s exactly the point. The clip is a good visual example of how species are adapted to their environment and here the chameleon’s colour-changing ability is used to good effect.
[Other discipline] on the Box

- Other subject areas starting to develop similar sites
- e.g. Englishonthebox.wordpress.com
  Historyonthebox.wordpress.com
Jane Eyre and the Presentation of Bertha Mason

Wednesday, Jul 2015

Posted by am432015 in Uncategorized

Romantic and Victorian Literature (1789-1870)
Presentation of Bertha Mason

http://bobnational.net/collection/index/collection

Review by Jenny Richards

Three clips from different television and film adaptions of 'Jane Eyre', each depicting the interruption of Jane and the reveal of Rochester's previous marriage may be useful in comparing different portrayals of the novels and presents her in ways that are subtly different; the sequence in which the amount that is revealed about her background, her race and her relationship to Rochester. This

London: A Tale of Two Cities with Dan Cruickshank
First aired: 2012
Genres Documentary

Broadcasted: BBC Four

URL: https://learningonscreen.ac.uk/ondemand/index.php?prog=02A4406B&locast=192439565#
Box of Broadcasts

• “On demand” service, archive of TV and radio broadcasts from over 65 UK (& International) channels

• Already contains about 2 million records, growing daily

• Available for subscribing institutions

• Currently user must be in UK (issues re overseas DL)
TRILT

www.trilt.ac.uk

- Television and Radio Index for Learning and Teaching
TRILT

www.trilt.ac.uk

- Television and Radio Index for Learning and Teaching
- Run by Learning on Screen (formerly British Universities Film and Video Council)
TRILT
www.trilt.ac.uk

- Television and Radio Index for Learning and Teaching
- Run by Learning on Screen (formerly British Universities Film and Video Council)
- Learning of Screen also offers range of other services including DVD back-up service for missed programmes, and Box of Broadcasts
www.trilt.ac.uk offers:

- Weekly e-mail alert advising about programmes coming up in next two weeks that match your keywords
www.trilt.ac.uk offers:

- **Weekly e-mail alert** advising about programmes coming up in next two weeks that match your keywords
  - up to 150 stored “Auto Alerts”
  - sent on day of your choice
  - can be keywords or programme ID codes
  - can include “non-work” queries
TRILT

www.trilt.ac.uk offers:

• **Weekly e-mail alert** advising about programmes coming up in next two weeks that match your keywords

• **Searchable database** of transmission history covering broadcasts since 1995, in which all programmes are given an ID code
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• Searchable database of transmission history covering broadcasts since 1995, in which all programmes are given an ID code

• Latter can frequently be used to identify recordings available through BoB and/or BUFVC back-up service (inc all terrestrial TV since June 1998)
The Television and Radio Index for Learning and Teaching (TRILT) is the best source of UK television and radio broadcast data available on the web. Its many unique features include:

- Listings for more than 475 TV and radio channels with data from 1995 onwards.
- Custom auto-alert emails for forthcoming programmes up to 10 days in advance.
- Selected records are enhanced with extra information, including credits and keywords.
- Highlights programmes for which a DVD copy may be requested from BUFVC by Higher and Further Education Institutions.
- More than a million records are added to TRILT every year.

Full access (unrestricted search dates) is only available to BUFVC members, including their staff and students.
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Where are you from?

Leicester

University of Leicester

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TRILT: Logging in

Institution-specific interface (Athens/Shibboleth)
TRILT: Landing page

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TRILT Search

Search
Listings
Channels

Current Search
No current search.

<< 1/10 >>

View all previous searches
New Search (TRILT)

My BUFVC
My Activity
Preferences
Auto Alerts

Marked Records
TRILT: Landing page

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Latest on TV and Radio

- BoB upgrade update
- Media Screen Round-Up
  - April 2016
- Shakespeare 400
- Screen Plays: The Theatre
  - Plays on British Television Database now online
- Jisc Digifest 2016: 2 to 3
  - March 2016

Updated: 26 August, 2016
TRILYT: Preferences

User Preferences

Use the form below to set your preferences for using this site and be sure to click 'Save' when you are finished. These preferences will be remembered each time you visit.

Your details

Email

Name

Login preferences

Login expires after

Search preferences

Search mode

Results per page

Your choice will affect the level of detail on the search form, choosing Basic will give you fewer fields to specify for a quicker search and Advanced will allow you to be more specific with your search queries.

Copyright Guidance

Find DVDs

Shakespeare

Archives & Footage

News on Screen

Moving Image Gateway

Events

Television & Radio

BUFVC Search

TRILYT

Search

Listings

Channels

Current Search

No current search.

View all previous searches

New Search (TRILYT)

My BUFVC

My Activity

Preferences

Auto Alerts

Marked Records

www.trilt.ac.uk
TRIL: Auto alert

www.trilt.ac.uk
TRILT: Searching

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TRILT: Searching

www.trilt.ac.uk
TRILT: Searching at www.trilt.ac.uk
Example: “Genome” (618 hits)
Example: “Genome” (618 hits)
Example: “Genome” (618 hits)
Example: "Genome" (618 hits)
Example: “Genome” (618 hits)

8. The Secret Life of the Dog

Broadcast Info
Wednesday, 14 Dec 2016, 00:00 (60 mins)

Channels
BBC4

Synopsis
We have an extraordinary relationship with dogs - closer than with any other animal on the planet. But what makes the bond between us so special?

Research into dogs is gaining momentum and scientists are investigating them like never before. From the latest fossil evidence, to the sequencing of the canine genome and cognitive experiments, dogs are fast turning into the new chimps as a window into understanding ourselves.

Where does this relationship come from? In Siberia, a unique breeding experiment reveals the astonishing secret of how dogs evolved from wolves. Swedish scientists demonstrate how the human/dog bond is controlled by a powerful hormone also responsible for bonding mothers to their babies.

Why are dogs so good at reading our emotions? Horizon meets Betsy, reputedly the world’s most intelligent dog, and compares her incredible abilities to those of children. Man’s best friend has recently gone one step further - helping us identify genes responsible for causing human diseases.

Genre
Documentary

Series Website
http://www.bbc.co.uk/programmes/b006mgxf
Example: “Genome” (618 hits)

Horizon

Episode 8: The Secret Life of the Dog
Broadcast Info Wednesday, 14 Dec 2016, 00:00 (60 mins)
Channels BBC4

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Genre Documentary.
Series Website http://www.bbc.co.uk/programmes/b008mgxf

No “save alert” option
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Example: “Genome” (618 hits)
Example: “Genome” (618 hits)
Example: “Genome” (618 hits)
Example: “Genome” (618 hits)
Example: “Genome” (618 hits)

“Back-up” (quota)
Horizon

Episode 8

The Secret Life of the Dog
Horizon
Episode 8
The Secret Life of the Dog
BoB

We have an extraordinary relationship with dogs. We love them like no other animal on the planet. What makes our relationship so special, is perhaps the dog’s ability to be able to read our emotions so effectively. They've been around longer than any other pet. There are now eight million dogs living in the UK alone. The dogs are wonderful. We've got over 400 breeds across the world and every one of them has something special about them.

But only now are we beginning to realise just how important that relationship could be. New research is revealing ever more intricate connections between human and dog.
BoB

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BoB: Sign in Screen

RECORD RECENTLY AIRED PROGRAMMES FROM OVER 65 FREE-TO-AIR CHANNELS.
SEARCH OUR EXTENSIVE ARCHIVE OF TV AND RADIO.

SIGN IN  FIND OUT MORE

Only available in the UK. Education institutions must hold an ERA licence.
Hi Chris Willmott welcome to BoB, the on demand TV and radio service for education.

**Requested**

<table>
<thead>
<tr>
<th>Program Title</th>
<th>Date</th>
<th>Duration</th>
<th>Channel</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sky News with Colin Brazier and Jayne Secker</strong></td>
<td>17 Jan 2017, 11:00 (240 mins)</td>
<td>on Sky News</td>
<td></td>
</tr>
<tr>
<td>Colin Brazier and Jayne Secker present the latest news headlines, analysis and debate</td>
<td>Available to watch now</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>News</strong></td>
<td>17 Jan 2017, 11:00 (30 mins)</td>
<td>on Al Jazeera International</td>
<td></td>
</tr>
<tr>
<td>News</td>
<td>Available to watch now</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Sky News with Kay Burley</strong></td>
<td>17 Jan 2017, 15:00 (210 mins)</td>
<td>on Sky News</td>
<td></td>
</tr>
<tr>
<td>The latest news and sport, including interviews with the personalities making the news</td>
<td>Available to watch now</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Sky News with Colin Brazier and Jayne Secker</strong></td>
<td>18 Jan 2017, 11:00 (60 mins)</td>
<td>on Sky News</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Available to watch now</td>
<td></td>
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</table>
### BoB: Playlists

<table>
<thead>
<tr>
<th>Playlist</th>
<th>Number of Programmes</th>
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<tbody>
<tr>
<td>23andMe</td>
<td>3 Programmes</td>
</tr>
<tr>
<td>3-parent IVF</td>
<td>15 Programmes</td>
</tr>
<tr>
<td>3-person IVF</td>
<td>13 Programmes</td>
</tr>
<tr>
<td>36WR</td>
<td>1 Programme</td>
</tr>
<tr>
<td>3D printing</td>
<td>5 Programmes</td>
</tr>
</tbody>
</table>
Hi Chris Willmott welcome to BoB, the on demand TV and radio service for education.

**Requested**

**PLAYLISTS**

**CLIPS**

**Review 2016: The Year in Science**
Top n tailed version (26 mins) of BBC News review of 2016 dealing with science. #RebeccaMorelle #Review2016 #TimPeake #Organoids (@ 7 mins) #GeneEditing #Xenotransplantation #StemCells #AnimalResearch...

Created on **Thursday, 29 Dec 2016**

**Inspector George Gently: Goodbye China**
Episode of period police drama Inspector George Gently with interesting #SituationEthics scenario #Law #Justice

Created on **Friday, 30 Dec 2016**

**Acting Disabled (Radio 4)**
#Disability #Representation

Created on **Friday, 30 Dec 2016**

**Review 2016: We Remember (Part Two)**
In a year that seemed to have an unusually large number of celebrity deaths, the BBC News review of 2016 has an extra instalment of #Obits...
Hi Chris Willmott welcome to BoB, the on demand TV and radio service for education.

REQUESTED

<table>
<thead>
<tr>
<th>PLAYLISTS</th>
<th>CLIPS</th>
</tr>
</thead>
</table>

**Sky News with Colin Brazier and Jayne Secker**

Colin Brazier and Jayne Secker present the latest news headlines, analysis and debate.

17 Jan 2017, 11:00 (240 mins) on Sky News

**News**

17 Jan 2017, 11:00 (30 mins) on Al Jazeera International

**Sky News with Kay Burley**

The latest news and sport, including interviews with the personalities making the news.

17 Jan 2017, 15:00 (210 mins) on Sky News

**Sky News with Colin Brazier and Jayne Secker**

18 Jan 2017, 11:00 (60 mins) on Sky News
<table>
<thead>
<tr>
<th>Time</th>
<th>Channel</th>
<th>Program</th>
<th>Time</th>
<th>Channel</th>
<th>Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00</td>
<td>Al Jazeera</td>
<td>Donald Trump</td>
<td>10:00</td>
<td>News</td>
<td>Newsroom</td>
</tr>
<tr>
<td>09:00</td>
<td>Al Jazeera</td>
<td>Jede Regierung</td>
<td>10:00</td>
<td>News</td>
<td>News</td>
</tr>
<tr>
<td>09:30</td>
<td>Arte</td>
<td>101 East</td>
<td>10:30</td>
<td>News</td>
<td>News</td>
</tr>
<tr>
<td>09:30</td>
<td>Arte</td>
<td>101 East</td>
<td>10:30</td>
<td>News</td>
<td>News</td>
</tr>
<tr>
<td>10:00</td>
<td>BBCALBA</td>
<td>Business Li...</td>
<td>11:00</td>
<td>BBCNEWS</td>
<td>Victoria Derbysh</td>
</tr>
<tr>
<td>10:25</td>
<td>Lionsrock</td>
<td>Die Heimke...</td>
<td>11:00</td>
<td>BBCNEWS</td>
<td>Victoria Derbysh</td>
</tr>
<tr>
<td>11:00</td>
<td>Lionsrock</td>
<td>Wüstenkönige</td>
<td>13:00</td>
<td>BBCNEWS</td>
<td>House of Commons</td>
</tr>
</tbody>
</table>

*Bob: Guide*
BoB: Search

Programme search

Available now  ○  All results  ○

SEARCH  All fields  ○  Exclude transcripts  ○  Title only  ○

CHANNEL  All  ○  TV only  ○  Radio only  ○

Popular  ○  Custom  ○

DATE  All-time  ○  Within last year  ○

Within last month  ○  Within last week  ○

Custom date range  ○

FILTER  Show repeat broadcasts  ○

SEARCH
BoB Search: “Acrylamide” (n=28)

1-10 of 28 results

**The Last Leg**

The satirical comedy show hosted by Adam Hills, Alex Brooker and Josh Widdicombe. Much-loved actor and former Doctor Who, David Tennant, helps dissect the week's events.

Transcript: Apparently slightly burning starchy foods creates something called acrylamide, which may... And Look, I have to repeat.

**Good Morning Britain**

Breakfast show featuring the latest news, sport and weather updates. Director Mel Gibson and star Andrew Garfield chat to Ross King about their new film Hacksaw Ridge. Ann Widdecombe talks about giving up...

Transcript: same chemical, levels of the same chemical, aaylamide, acrylamide. Are we all going to die, aaylamide. Are
Results: Programmes

Search TRILT for "acrylamide" in All fields
4 results

Search All BUFVC
You are currently searching in TRILT. Search all the BUFVC's collections for 'acrylamide' in All fields.

Bore Gothi
Eira Mawr 1947
Broadcast 23 Jan 2017, 10:00 (120 mins) on BBC Radio Cymru
Dewch yn ôl i 1947 wrth i Lyn Ebenezer a Hedw Wyn Jones dradod eira mawr y byddyn. Slawd Mai Fiddler o’r Asiantaeth Safonau Bwyd sy’n trafod ymgrych i godi ymwbyddiaeth o lefelau acrylamide yn ein...

News; The Food Programme ★
Broadcast 9 Aug 2004, 16:00 (30 mins) on BBC Radio 4
Sheila Dillon explores our love affair with crisps and investigates their nutritional value

News; The Food Programme ★
Broadcast 8 Aug 2004, 12:30 (27 mins) on BBC Radio 4
Sheila Dillon explores our love affair with crisps and investigates their nutritional value

Your Diet in the Dock: 4 x 4 Reports ★
Broadcast 12 Aug 2002, 19:30 (30 mins) on BBC1 (except BBC1 Northern Ireland; BBC1 West Midlands; BBC1 Yorks/Lincs)
Current affairs series. Following the revelation that a group of obese American citizens is planning to sue the US fast-food industry for selling calorie-laden food that could cause health problems, 4 x 4.
Searching with the right tools

• Although “new BoB” is built on the TRILT archive searching in TRILT and BoB have different strengths
• **TRILT** includes older broadcasts + original metadata - good for cross-checking multiple transmissions
• **BoB** includes transcript (& playlist) searches
• Results with two services overlap but differ
Searching with the right tools

• Although “new BoB” is built on the TRILT archive searching in TRILT and BoB have different strengths
• TRILT includes older broadcasts + original metadata - good for cross-checking multiple transmissions
• BoB includes transcript (& playlist) searches
• Results with two services overlap but differ
• e.g. “Camplyobacter”
Campylobacter

- Search on TRIL T = 35 programmes
- Search on BoB = an eclectic 631
Campylobacter

- Search on TRILT = 35 programmes
- Search on BoB = an eclectic 631
- Reason?
Campylobacter

- Search on TRILT = 35 programmes
- Search on BoB = an eclectic 631
- Reason?

Transcript: "This is Campylobacter jejuni. A tummy-churning, far-from-home, trip-spouting bug. But what"
BoB: Making clips
BoB: Making clips

<table>
<thead>
<tr>
<th>Channel</th>
<th>Programme</th>
<th>Time</th>
<th>Available to watch</th>
</tr>
</thead>
<tbody>
<tr>
<td>BBC One</td>
<td>BBC News at Six</td>
<td>18:00 - 18:30</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>London News</td>
<td>18:30 - 19:00</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>The One Show</td>
<td>19:00 - 19:30</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>EastEnders</td>
<td>19:30 - 20:00</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Holby City</td>
<td>20:00 - 21:00</td>
<td>Yes</td>
</tr>
<tr>
<td>BBC Two</td>
<td>Eggheads</td>
<td>18:00 - 18:30</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Great American</td>
<td>18:30 - 19:00</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Our Dancing Town</td>
<td>19:00 - 20:00</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Further Back in Time</td>
<td>20:00 - 21:00</td>
<td>Yes</td>
</tr>
<tr>
<td>ITV</td>
<td>ITV News London</td>
<td>18:00 - 18:30</td>
<td>Yes</td>
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<tr>
<td></td>
<td>ITV Evening News</td>
<td>18:30 - 19:00</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Emmerdale</td>
<td>19:00 - 19:30</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>New: Save Tomorrow</td>
<td>19:30 - 20:00</td>
<td>Yes</td>
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<tr>
<td></td>
<td>New: Tales from the Coffer</td>
<td>20:00 - 21:00</td>
<td>Yes</td>
</tr>
<tr>
<td>4</td>
<td>The Simpsons</td>
<td>18:00 - 18:30</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Hollyoaks</td>
<td>18:30 - 19:00</td>
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</tr>
<tr>
<td></td>
<td>Channel 4 News</td>
<td>19:00 - 20:00</td>
<td>Yes</td>
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### BoB: Making clips

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<th>Time</th>
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<th>Program</th>
<th>Availability</th>
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<tbody>
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<td>BBC News at Six</td>
<td>Available to watch</td>
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<tr>
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<td>Emmerdale</td>
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<tr>
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<td>The Simpsons</td>
<td>Available to watch</td>
</tr>
<tr>
<td>18:30</td>
<td>4</td>
<td>Hollyoaks</td>
<td>Available to watch</td>
</tr>
<tr>
<td>19:00</td>
<td>4</td>
<td>Channel 4 News</td>
<td>Available to watch</td>
</tr>
<tr>
<td>19:30</td>
<td>4</td>
<td>How to Lose Weight</td>
<td>Available to watch</td>
</tr>
</tbody>
</table>
malaria

2004 report. The political will to implement them as being more elusive. We will see when the White elusive. We will see when the White Paper turns up, how it rolls out the White Paper turns up, how it rolls out this time. After the break, it’s an illness that can threaten...
BoB: Making clips
BoB: Making clips

Channel 4 News

Drug-resistant?
BoB: Making clips

Save clip

Title

Clip from Channel 4 News

Description

Add a description (optional)

CANCEL  SAVE
BoB: Recording programmes

• All staff and students are entitled to initiate up to 10 recordings per day, includes:
  - requesting new programme into archive
  - making a new clip

• Programmes can be requested up to 30 days after transmission

• Can be found using search or guide
BoB: Recording programmes

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  - making a new clip

• Programmes can be requested up to 30 days after transmission

• Can be found using search or guide

• BoB *won’t* capture regional programming (except London and “national” channels)
Time to give it a go...

- Opportunity to start using TRILT and/or BoB
- If setting up autoalerts, think carefully about wording
<table>
<thead>
<tr>
<th>Title:</th>
<th>Ace of Cakes</th>
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</thead>
<tbody>
<tr>
<td>Broadcast Info:</td>
<td>24 May 2010, 09:30 (30 mins)</td>
</tr>
<tr>
<td>Channels:</td>
<td>Good Food</td>
</tr>
<tr>
<td>Description:</td>
<td>Reality series following the staff at a speciality cake shop in Baltimore. The Charm City crew makes cakes for All Pro skater and skate board designer Kris Markovich's surprise birthday, a four-tier fall season wedding cake, a baby shower cake and a replica of Geof's childhood neighbor's 365 Porsche Speedster</td>
</tr>
<tr>
<td>Trilt Identifier:</td>
<td>00F2B6BB</td>
</tr>
</tbody>
</table>
Acknowledgements

• University of Leicester Teaching Enhancement Fund
• University of Leicester Graduate Gateway Fund
• Thanks to authors
Any Questions?

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Twitter: cjrw
Slideshare: cjrw2
Delicious: chriswillmott
Blogs: www.bioethicsbytes.wordpress.com
www.biologyonthebox.wordpress.com
www.biosciencecareers.wordpress.com
www.lefthandedbiochemist.wordpress.com