Nicci Simpson

((Housekeeping announcement))

Hello everybody and welcome to our 2018 University Challenge event. Thank you very much for joining us here at the OU campus in Milton Keynes and for everybody who’s watching online via Facebook Live, welcome to you as well. I'm Nicci Simpson, I'm the President of the OU Students' Association and it is my pleasure to introduce the 2018 University Challenge team who will have a chance to get some practice on the buzzer and provide us with a great night’s entertainment.

The team have already gone through a rigorous process to get here, over 400 OU students registered interest and after a tough audition process the five students before you have been selected by the Students’ Association to represent the Open University. Please give a warm welcome to Jonathan, Neil, Mark, Rachel and Bryn. ((applause))

Putting the team through their paces tonight are another student team made up of members of the 2017 University Challenge team and the OU Students’ Association executive and also a team of OU staff. So a special thanks to them for joining us tonight.

We couldn’t have a University Challenge event without a Jeremy Paxman and tonight we’re very lucky to have the OU’s very own Monica Grady, Professor of Planetary and Space Sciences, in the quiz chair, and all set to give the teams a grilling.

So without further ado I will pass over to Monica who will commence tonight's proceedings.

Monica Grady

Thank you very much Nicci and welcome teams. I think you know all the rules but we’ll just go through them. I'll read a question and there will be no conferring. You buzz in. If you get the answer right you get ten points and then you get three bonus questions for five points each where you may confer. I will penalise you for a wrong answer if you interrupt ((laughter)). That's the rules! And I will be very strict. So fingers on buzzers teams let's get going.
1. The names of two US states end in a letter ‘s’ that is not pronounced as an ‘s’, for ten points…

**2018**

**Whitehorn**  
Arkansas and Illinios.

**Monica Grady**  
Well done, very good. You now get three bonus questions on layers of the atmosphere:  
a. The name of which layer of the atmosphere means, in part, ‘turning’? It is marked by convection and a general decrease of temperature with height.

**Edmondson**  
Troposphere?

**Monica Grady**  
Correct.

b. The ionosphere lies primarily within which layer of the atmosphere? It begins at about 85 kilometres, and within it the temperature can rise to over one thousand degrees Celsius.

**Edmondson**  
Mesosphere?

**Monica Grady**  
No. It’s the thermosphere.

c. What name is given to the layer that is situated above the stratosphere and is separated from it by the stratopause?

**Edmondson**  
Heliosphere?

**Monica Grady**  
No that is the Mesosphere.

Okay fingers on buzzers again

2. Produced in bone marrow and found in the blood of all mammals, which small disc-like structures are important factors in stopping bleeding and in healing wounds?

**2017**  
**Cowan**
Platelets.

Monica Grady

Yes I will accept that, or thromocytes. So you now get three bonus questions on property.

a. ‘Government has no other end but the preservation of property.’ Who wrote these words in his Second Treatise on Civil Government of 1690?

Cowan

John Locke.

Monica Grady

Correct.

b. ‘Property and law are born together and die together. Before the laws, there was no property: take away laws, and property ceases.’ Which English Philosopher wrote these words in Principles of the Civic Code?

Cook

John Stuart Mill?

Monica Grady

No I could give you a clue and say his preserved body lies in the hall at University College London but Jeremy Bentham is the right answer.

c. ‘In no country of the world is the love of property more active and more anxious than in the United States.’ Which Frenchman wrote these words in a work of 1835 entitled Democracy in America?

Goggin

de Tocqueville.

Monica Grady

Correct, well done. Okay fingers on buzzers.

3. From that of a marshal of France, what name was originally given to a confection made by browning almonds or other nuts in boiling sugar, but now usually refers to a smooth paste made from this, often used as a filling in chocolates?

2018

Whitehorn

Praline.

Monica Grady
Well done, well interrupted. (Applause) Three bonus questions on place names 2018 team.

a. Around the size of the Isle of Mull and at a latitude of 38 degrees north, Sado is the sixth-largest island of which country?

Edmondson

Monica Grady

Correct.

b. Reaching the Atlantic Ocean near the city of Setubal, the Sado is a major river of which country?

Edmondson

Monica Grady

Correct.

c. The village of Sadová in the Czech Republic gives its name to the decisive battle of which 1866 war?

Edmondson

The Seven Weeks’ War or the Austro-Prussian War?

Monica Grady

Very well done yes. Also knows as the Königgrätz. Very close still so fingers on buzzers

4. Which year saw the publication of Einstein’s first paper, on capillarity…

2018 Creamer

1905

Monica Grady

No I’m sorry and you interrupted me so I have to take away five months. 2017 team:
4. Which year saw the publication of Einstein’s first paper, on capillarity; the eleventh United Kingdom census; the births of Barbara Cartland and Louis Armstrong, and the deaths of President William McKinley and Queen Victoria.

2017

Brown
Buzzers aren’t working.

Monica Grady
All right well just yell.

Brown
1901.

Monica Grady
Correct. And I think it was the death of Queen Victoria that probably gave that one away.

Brown
It was Louis Armstrong I'm afraid.

Monica Grady
Oh right okay. Okay so you get three bonus questions on fishing in literature:

a. Which US author’s collection of writings on fishing, published posthumously in 2000, include his experiences of the sport in Paris, the Pyrenees, Spain and Cuba?

Goggin
Hemingway.

Monica Grady

b. Trout Fishing in America and A Confederate General from Big Sur are works by which US novelist and poet, who died in 1984?
c. Along with ‘Salmon Fishing’, the name of which country of the Middle East appears in the title of a prizewinning first novel by Paul Torday?

Monica Grady

Yemen correct Salmon Fishing in the Yemen.

Right still very close only five points in it. So 2018 you've got to sharpen up a bit I think.

5. ‘If a man love the labour of any trade, apart from any question of success or fame, the gods have called him.’ These words appear in Across the Plains, a travel memoir of 1892 by which literary figure? Best known for his adventure novels, he was born in Edinburgh…

Monica Grady

No I'm sorry and technically you interrupted me so the final sentence of the question is:-

Best known for his adventure novels, he was born in Edinburgh and died in Samoa.

Goggin

Robert Louis Stephenson.

Monica Grady
Three bonus questions on writers’ private lives.

Brown

Sounds a bit scandalous.

Monica Grady

Yes but unfortunately it isn’t.

a. Henrietta Godolphin, the second Duchess of Marlborough, was the lover of which playwright? He is believed to have fathered her child Mary in 1723 and was also known to be close to the actress Anne Bracegirdle, for whom he wrote parts in several of his works.

Cook

Sheridan?

Monica Grady

No Congreve. How many playwrights do you know of that time?

b. Quote: ‘Remember thee! Remember Thee! / Till Lethe quench life’s burning stream / Remorse and shame shall cling to thee, / And haunt thee like a feverish dream!’ Which Romantic Poet wrote these lines as a rejection of the repeated advances of his former lover?

Cook

Byron?

Monica Grady

Correct.

c. And finally who between 1660 and 1669, chronicled his affairs with William Bagwell’s wife; Jane Welsh, the servant of his barber; Sarah from the Swan Inn; Betty Martin; and Deb Willet, the latter being his own wife’s maidservant?

Brown

Pepys.
Monica Grady

Yes. Oh dear, oh dear, oh dear!

6. What part of the body appears in nicknames given to ‘Peace Democrats’ in the North during the American Civil War, and supporters of Parliament during the English Civil War?

2017

Cowan

Head. They were Copperheads.

Monica Grady

Yes well done, well interrupted, Copperheads and Roundheads.

So three bonus questions on comparative religion

a. ‘Religion is hard work. Its insights are not self-evident and have to be cultivated in the same way as an appreciation of art, music, or poetry must be developed’ These are the words of which British author, in the 2009 work *The Case for God*?

Brown

No pass.

Monica Grady

Karen Armstrong. I believe she was a nun.

b. An examination of thought between 900 and 200 BC, Karen Armstrong’s work *The Great Transformation* includes the names of four influential figures in its subtitle. One is Jeremiah. For five points, name two of the others.

Goggin

Isiah and Moses.

Monica Grady

No Buddha, Socrates and Confucius.

And finally for five points.
c. A 2010 work by Armstrong outlines twelve steps to a life based on what quality described as ‘indispensable to the creation of a just economy and a peaceful global community’?

Cook

Monica Grady

Fairness. But if I were fair I would have given you the point but I am not so I shan’t. Right fingers on buzzers.

7. A large public square flanked by Islamic academic, the Registan is a UNESCO world heritage site in which…

2018

Whitehorn

Samarkand.

Monica Grady

Well interrupted. So three bonus questions on education in the United States.

a. Having a Different meaning in the UK, what name is given to American Secondary schools, usually independent, that educate students up to college entrance level?

Edmondson

Public Schools?

Monica Grady

No I’m afraid it’s preparatory school and what it says here is accept prep school; not public school.

b. What term denotes a type of secondary school in the UK, and in the USA means a primary school or a school stressing the study of classical languages?

Edmondson

Grammar School.

Monica Grady
c. Sometimes called ‘grammar’ or ‘elementary’ schools, American primary schools are also known by what name, not used in the UK?

**Edmondson**

Grade Schools.

**Monica Grady**

Correct well done. ((Applause))

8. For what do the letters f.p.s. stand when denoting a system of units for length, mass and time that has been superseded for scientific purposes by the SI system?

**Creamer**

Foot-pound-second.

**Monica Grady**

Very good, well done. Not all of us are old enough to remember when they were in use. You get three bonus questions on dates in novels.

In which novel of 1895 does an inventor encounter people called the Eloi and the Morlocks in the year 802,701?

**Edmondson**

The Time Machine.

**Monica Grady**

Well done yes. I apologise for my pronunciation.

b. Aldous Huxley's novel Brave New World is set in the year 623 AF, for what do the letters ‘AF’ stand?

**Edmondson**

After Ford.

**Monica Grady**

Indeed 632 years after Henry Ford first mass produced the motorcar.
c. In which novel of 1889 by Mark Twain does a contemporary American experience life in the year 528?

**Edmondson**

A Connecticut Yankee in the Court of King Arthur?

**Monica Grady**

Indeed, well At the Court of King Arthur but I think I’ll give it to you. ((Applause)).

Right OU 2018 you’ve just forged into the lead by five points so 2017 your time to try and catch up. Fingers on buzzers teams.

9. Dead Christ and Dance of Death were works by which German artist, who settled in England in 1532 and is also noted for his portraits, including those of Sir Thomas More and of Henry the Eighth and his wives?

**2018**

**Whitehorn**

Hans Holbein.

**Monica Grady**

Hans Holbein the Younger but I will accept that.

You get three bonus questions on Greek Mythology 2018. Oh dear, oh dear, oh dear, please forgive my pronunciation.

a. Eurycleia was the nurse of which hero, whom she recognized after many years by a scar on his leg made by a wild boar?

**Edmondson**

It’s Odysseus.

**Monica Grady**

Yes or Ulysses.

b. Against Odysseus’s orders, the crewman Eurylochus persuades his fellows to slaughter cattle belonging to which deity? As a result, Zeus sends a storm that causes all by Odysseus to drown.

**Edmondson**
c. Both killed by Odysseus, Eurymachus and Antinous are the two principal suitors of which figure?

Monica Grady

Penelope.

Monica Grady

Yes. I need somebody to put me right on all that foreign words. Okay fingers on buzzers again.

10. In quantum physics, which subatomic particle, a meson with a mass of about 9.4 gigaelectron-volts and zero charge, is thought to consist of a b-quark and its anti-quark? It is named after the twentieth letter of the Greek alphabet.

Monica Grady

Correct. So you get three bonus questions on exiles.

Monica Grady

a. Saint John is said to have written the Book of Revelation while in exile on which Greek island in the Aegean Sea?

Monica Grady

No. Oh your buzzers aren’t working. Shout it.

Torque.
b. Which Spanish painter and engraver, whose etchings 'The Disasters of War' depicted the horrors of the French invasion of Spain, spent his last years in voluntary exile in Bordeaux?

**Edmondson**

Goya.

**Monica Grady**

Correct.

c. In 1960, after leaving Tibet, at which hill station in northern India did the Dalai Lama set up his government in exile?

**Edmondson**

Dharamsala

**Monica Grady**

Yes. Specifically in the Mclead Ganj suburb of Dharamsala. Well done.

Right you're now halfway behind but I'm not sure how much longer we've got because I forgot to look at my watch when we started. So fingers on buzzers teams.

11. Who was the author of a manuscript over 200 years old which sold at Sotheby’s in 2011 for almost a million pounds? An unfinished novel, it concerns a young woman who returns to her father's household after being brought up by a wealthy aunt, and is titled ‘The Watsons’.

2018

**Whitehorn**

Jane Austen.

**Monica Grady**
So as a reward you get three bonus questions on the novels of Ian McEwan. In each case identify the novel from its description of its main character.

a. Henry Perowne, a 48-year-old neurosurgeon, in a novel described as ‘a post 9/11 variation’ on Virginia Woolf’s Mrs Dalloway?

Edmondson
London

Monica Grady
No. Saturday.

b. Michael Beard, a Nobel laureate devoted to womanising, inordinate consumption of food and drink, and the averting of climate change?

Edmondson
Solar.

Monica Grady
Correct.

c. Briony Tallis, who at the start of the novel is 13 years old and writing a play for her brother, Leon?

Edmondson
Atonement.

Monica Grady
Yes, well done. Okay fingers on buzzers and maybe you've got still time to catch up 2017.

12. A flat layer of carbon atoms tightly packed into a two-dimensional honeycomb arrangement, which material is both the thinnest…

2018
Johnston
Graphene.

Monica Grady
Correct, well interrupted. So you get three bonus questions on pollination of flowers.

a. Derived from the Greek meaning ‘closed marriage’, what term means a form of self-pollination within a permanently closed flower?

Edmondson

Monogamite?

Monica Grady

No it’s Cleistogamy, from the Greek kleistos meaning closed, I’m surprised you didn’t know that!

b. The pollen of many orchids is transferred as a single agglutinated mass. What name is given to this mass of pollen grains?

Edmondson

We don't know.

Monica Grady

Pollinium or pollinia.

c. The Various Contrivances by which Orchids Are Pollinated by Insects is an 1862 work by which scientist?

Edmondson

Charles Darwin

Monica Grady

Correct. Fingers on buzzers your starter for 10.

Which monarch occupies the north east, if the south west is occupied by General Sir Charles James Napier, and the south east by Major General Sir Henry Havelock?

Cowan

The Mogul Emperor?

Monica Grady
No.

2018 Team

Queen Victoria?

Monica Grady

No. None of you have visited Trafalgar Square. King George IV and of course the fourth plinth I'm not sure what's on there at the moment. So no bonus questions there. Your starter for 10.

14. Similar to Spanish paella, which Creole dish has a Louisiana French name that is derived from the Provencal word for ‘chicken and rice stew’?

2018

Edmondson

Jambalaia.

Monica Grady

Well done, well interrupted. You get three bonus questions on pairs of words whose spelling differs by the substitution of a ‘d’ for an ‘f’, for the final letter, for example ‘deaf’ and ‘dead’. In each case give both words from the definitions.

a. ‘Organ of photosynthesis in plants’ and ‘soft, grey metallic element, atomic number 82’?

Edmondson

It's leave and lead.

Monica Grady

Well done.

b. ‘Rocks or coral near the surface of water’ and vibrating tongue of a woodwind instrument’?

Edmondson

It's reef and reed.

Monica Grady

Yes.
c. ‘Canis Lupus’ and ‘open tract of upland country, for example in Lincolnshire’?

**Edmondson**

Wolf and wold.

**Monica Grady**

Yes, very good. Right 2017 it’s a good job you weren’t seconded to go through again this year isn’t it? You’re trailing quite substantially now. Fingers on buzzers, maybe you’ll get this one.

15. First published in 1957, Vance Packard’s book The Hidden Persuaders explained the methods used by which industry in tailoring campaigns to exploit psychological vulnerabilities amongst consumers?

**2017**

**Goggin**

Advertising.

**Monica Grady**

Correct. So you get three bonus questions on the Nobel Prize for Literature.

a. Which Irish writer won the award in 1969, being commended by the judges for writing which, quote: ‘rises ….. like a miserere from all mankind, its muffled minor key sounding liberation to the oppressed, and comfort to those in need’?

**Goggin**

Samuel Beckett.

**Monica Grady**

Correct.

b. Which writer was praised by the 2006 committee for making Istanbul ‘an indispensable literary territory equal to Dostoevsky’s St Petersburg, Joyce’s Dublin or Proust’s Paris’?

**Goggin**

Orhan Pamuk?

**Monica Grady**
Correct. And finally for five points.

c. On winning the 1982 prize, which Colombian writer in his Nobel lecture talked of ‘a new and sweeping utopia of life … where the races condemned to one hundred years of solitude will have, at last and forever, a second opportunity on Earth’?

**Cook**

Marquez?

**Monica Grady**

Yes I have a feeling that one hundred years of solitude might have spurred you on that one. Well done. Okay fingers on buzzers your starter for 10.

16. Deriving from the Latin for ‘bone’, what term denotes the chapel in Sedlec in the Czech Republic and Rome’s Santa Maria della Concezione, both of which serve as repositories for the bones of the dead?

**Edmondson**

Ossary [sic]?

**Monica Grady**

Yes or ossuary, yes. So obviously following on from that, a question on bones, you get three bonus questions on British seafood.

a. The invention of which fish delicacy is credited to John Woodger of Seahouses in Northumberland, who accidentally discovered the process of manufacture in 1843?

**Edmondson**

Kippers.

**Monica Grady**

Kippers and I don’t like to pick the bones out of that one!

b. The Norfolk village of Stiffkey is noted for which bivalve molluscs? The shells get their distinctive blue tinge from the sea-beds they colonise.
Edmondson

Cockles?

Monica Grady

Cockles yes.

c. Partly named after a fishing village in Moray, which rich soup is made with chopped potatoes, milk and flaked smoked haddock?

Edmondson

Cullen Skink.

Monica Grady

Yes Cullen is the village. Right now you’re asked to listen carefully on this one, you have to do some sort of calculation. So fingers on buzzers.

17. If a single self-replicating robot takes one year to produce ten copies of itself, all of which are activated on the same day, after how many years will the number of robots exceed one million?

2017

Goggin

6. ((inaudible comment?))

Monica Grady

Brown

Very good. Right only a few more seconds to go I believe. So let's see how we get on with this one…fingers on buzzers teams your starter for 10.

Brown

Hang on we were meant to have the bonuses.

Monica Grady

Oh gosh you are sorry ((Gong Sounds))

Brown

We've been cheated!
Monica Grady

Sorry but even if you’d answered all those bonuses I think you were…

Brown

((0:30:47?))

Monica Grady

So congratulations OU 2018 you fairly scorched the earth with 2017 ((applause)). So I hope that was a bit of a warm up and I'm not sure what happens now.

Male Presenter

We're just going to have a brief two minute break while we change the names on the other team and then we'll go straight on with the next round.

Monica Grady

So thank you OU 2017, well done.

Match Two

Monica Grady

Right so welcome staff, I hope you realise what a terrible challenge you have. It’s a question of do we let the students see how good, or otherwise, our staff is? So fingers on buzzers teams your starters for 10. Oh dear more foreign words!

1. The early twentieth-century composers Tailleferre, Durey, Auric, Honegger, Poulenc and Milhaud are often referred to by what collective name, in French or in English

   2018

   Whitehorn

   The six?

Monica Grady

Yes or Les Six, well done. So you now get three bonus questions on fictional books.
a. Which animated television series has featured books entitled ‘Great Machete Battles’, ‘Zapp Brannigan’s Big Book of War’ and ‘Harry Potter and the Balance of Earth’ by Al Gore?

Edmondson

That's Futurama.

Monica Grady

Good I like to see that you are keeping up the standards OU Students watch.

Monica Grady

b. ‘Ethel the Aardvark Goes Quantity-Surveying’ and ‘Thirty Days in the Samarkand Desert with the Duchess of Kent’ are fictional titles in variations of sketch devised by which BBC comedy team?

Edmondson

Monty Python?

Monica Grady

It is Monty Python.

Monica Grady
c. ‘Stu the Cockatoo Is New at the Zoo’ by Sarah Carpenter is used by Sheldon Cooper as a guide to creating a flowchart in which US sitcom?

Edmondson

It’s the Big Bang Theory.

Monica Grady

It is yes. So your chance to get off the starting block staff, so fingers on buzzers teams your starter for 10.

2. The pronuba moth is the sole pollinator of many species of which genus of perennial plants and trees native to arid parts of the Americas and distinguished by their sharp, sword-like leaves?

2018

Edmondson
Cordylines?

**Monica Grady**

No yuccas, unless you’re telling me it’s the same species?

**Edmondson**

No.

**Monica Grady**

Okay. Oh I wasn’t supposed to give you the answer was I? I was supposed to throw it open to the staff.

**Taylor**

We should get the point I think.

**Monica Grady**

Rats. Would you have known the answer, be honest? No, okay jolly good. Right so we’ll go back to the starter for 10, apologies there. Where’s the question? Ah right here it is, right, a thing of beau-- it’s just the answer to the last part of the bonus is at the top of this page and it just says ‘lust’ so I was a bit nonplussed. All right so fingers on buzzers teams.

3. A thing of beauty is a joy for ever'; which Romantic poet wrote these words?

**Staff**

**Quinn**

Keats.

**Monica Grady**

Yes the first line of Endymion of course. So you get three bonus questions on gases.

a. In 1996, the Lawrence Livermore National Laboratory in California created the metallic form of which gas, originally discovered in 1766 by Henry Cavendish?

**Taylor**

Hydrogen.

**Monica Grady**
Yes good guess.

b. Which gas was discovered in 1898 by Sir William Ramsay and M.W. Travers in the residue of distilled liquid air? It is used in lightbulbs, lasers, and in arc lamps for cinema projection.

Taylor

Argon.

Monica Grady

Xenon.

c. Pierre Janssen and Norman Lockyer are jointly credited with the detection in 1868 of which gas as an unexpected line in the Sun’s spectrum? It was discovered on Earth in 1895 in uranium mineral cleavite.

Taylor

Helium?

Monica Grady

Yes correct. Okay fingers on buzzers.

4. An unusual combination in English, what two letters both vowels, begin words meaning the principal and Turkic people of Western China, an Afrikaans word for a foreigner, and two islands of the western isles, separated from one another by Benbecula?

Staff

Quinn

UI.

Monica Grady

Yes very good. Uighurs, Uitlander and Uist. I don't know whether I've pronounced those correctly but UI. So you get three bonus questions on language.

a. For which novel, written in Paris over a period of seventeen years and published as a whole in 1939, did its author invent an idioglossia, drawing on around forty different languages?
I'll have to hurry you I need an answer.

**Taylor**

Clockwork Orange?

**Monica Grady**

No Finnegan’s Wake.

b. The US physicist Murray Gellman took the spelling of the elementary particle he called the quark from the line in Finnigans Wake: ‘three quarks for muster mark’. What, in the context of the novel, is the immediate meaning of ‘quark’?

**Taylor**

Drink?

**Monica Grady**

No it’s a gull or a bird’s cry, a caw or a squawk.

c. Which term did the US anthropologist Joseph Campbell borrow from Finnegans Wake to denote the concept of the hero’s journey, which is common to epic works and folk tales of many cultures?

**Taylor**

Odyssey?

**Monica Grady**

No it’s the monomyth. Fingers on buzzers. Your starter for 10.

5. Sometimes confused with an expression of surprise of horror, for example on finding a cockroach in a bag of crisps (one purchased from the shop on campus), which three-letter palindrome means ‘to make something last longer by supplementing it’ or ‘to make a living with difficulty’?

**2018 Edmondson**

Eke?

**Monica Grady**
Yes. I added the bit about ‘purchased from the shop’ myself. Three bonus questions on astronomy.

a. 12.566 of what unit is equal to the entire celestial sphere?

Monica Grady

No it’s a steradian, 12.566 being equal to 4 pi.

b. Rounded to the nearest thousand, what is the total area of the sphere in square degrees? The area of the celestial sphere, just to clarify.

Edmondson

Thousands?

Monica Grady

41,000, so thousands is true but too vague!

c. As viewed on Earth, it would take 200,000 suns to cover the whole celestial sphere. What is the angular diameter of the Sun, to the nearest half a degree?

Edmondson

Half a degree?

Monica Grady

It is indeed half a degree. Very close two teams, fingers on buzzers.

6. Signed on 25 March 1957, which treaty was the first and founding act of the European Economic Community?

Staff

Ferns

Treaty of Rome.

Monica Grady

Yes indeed and aren’t we doing well now? Three bonus questions on damaged reputations.
a. In which comedy by Sheridan do Lady Sneerwell, Mrs Candour and Sir Benjamen Backbite do their worst to damage as many reputations as possible?

Taylor

The School for Scandal.

b. Shortlisted for the 2003 Booker Prize, Notes on a Scandal, concerning a teacher’s observations of her colleague’s illicit affair, is by which British writer?

Taylor

Zoe Heller.

Monica Grady

Correct.

c. The 1989 film Scandal is based on the events surrounding the revelation in 1963 that which politician had had an affair with the model Christine Keeler?

Taylor

Profumo.

Monica Grady

Correct. Okay starting again, fingers on buzzers.

7. Named after the French biologist who published it in the early 1800s, which now-discredited theory of biological evolution held that acquired characteristics resulting from an organism’s response to environmental pressures can be inherited?

Staff

Quinn

Lamarck.

Monica Grady

Yes. The answer here is Lamarckism is the theory and it was Lamarck of course who proposed it but I will accept that.
Quinn

Thank you.

Monica Grady

And you might be able to answer this one from personal knowledge. Three bonus questions on men born in the year 1829. ((laughter)) In each case identify the person from the description.

a. A founder of the Pre-Raphaelite brotherhood, whose works include Christ in the House of his Parents and Bubbles?

Taylor

Millais.

Monica Grady

Yes.

b. The father of the author of the Mapp and Lucia novels, who became Archbishop of Canterbury in 1882?

Taylor

Benson.

Monica Grady

Correct.

c. A religious leader who, in 1865, established mission in the East End that later became the Salvation Army?

Taylor

Booth.

Monica Grady

Yes William Booth, well done. And I do apologise.

Quinn

We'll see you later ((laughter))

Monica Grady
Okay fingers on buzzers teams your starter for 10.

8. Particularly associated with continental Europe during the first half of the eighteenth century, which artistic style is thought to derive its name from either a French work for ‘shellwork’ or the Italian word for the earlier baroque period?

**2018**

**Edmondson**

Rococo.

**Monica Grady**

Correct. In French of course it’s rocaille, in Italian barocco. Three bonus questions on geophysics.

a. What term describes the crust and brittle part of the upper mantle of a rocky planet when considered together?

**Edmondson**

Lithosphere?

**Monica Grady**

Correct.

b. What is the name given to the region of mantle directly beneath the lithosphere?

**Edmondson**

We don't know.

**Monica Grady**

The asthenosphere.

c. What theory, developed by Wegener, describes the dynamics of the lithosphere?

**Edmondson**

Plate tectonics.

**Monica Grady**
Yes or continental drift, in 1915. Well done. Okay only a small margin between you now so fingers on buzzers. Listen carefully and answer as soon as your name is called.

9. If the integers from one to one hundred are written in Roman numerals and then placed in alphabetical order, which one comes last?

2018

Stitcher

88?

Monica Grady

38. xxviii. Oh! Would you have got it? Sorry, sorry, sorry. You have to really admire Jeremy Paxman don't you? Okay sorry teams, starter again, fingers on buzzers your starter for 10.

10. ‘Population, when unchecked, increases in a geometrical ratio. Subsistence only increases in an arithmetical ratio.’ Who wrote these words in his ‘Essay on Population’, published in 1798?

Staff

Quinn

Malthus.

Monica Grady

Yes correct, well done, the Reverend Thomas. So you get three bonus questions on historical trials.

a. Sometimes called the ‘Monkey Trial’, the historic case tried in Tennessee in 1925 is usually named after which high school teacher charged with teaching the theory of evolution?

Taylor

Scopes.

Monica Grady

Correct.
b. The identity of which French peasant was the central issue of a trial held in 1560 in the town of Rieux in the South of France?

Taylor
Nominate Quinn.

Quinn
Joan of Arc.

Monica Grady
No Martin Guerre, the imposter Arnaud du Tilh claimed to be the missing Guerre and lived with Guerre’s wife until the real Guerre returned. And finally:

c. Which locomotive won the Rainhill Trials during the development of the Liverpool and Manchester Railway in 1829?

Taylor
Nominate Jones

Jones
Was it Mallard?

Monica Grady
No Stephenson’s Rocket. Okay let’s try again, fingers on buzzers, your starter for 10.

11. What five-letter adjective is found in all the following: the popular name for Charles the First’s Parliament of 1640; another term for stenography; and an electrical circuit that acts as a shunt to a circuit of comparatively large resistance?

2018
Whitehorn

Short.

Monica Grady
Correct – the Short Parliament, shorthand and short circuit. So you get three bonus questions on words indicating great size.

a. Which common adjective, now implying great size, originally had the meaning of ‘deviating from the ordinary type’?
Edmondson

Enormous?

Monica Grady

Correct from the Latin meaning unusual.

b. Which synonym for ‘colossal’ comes from the Latin word for ‘unmeasurable’?

Edmondson

Gigantic?

Monica Grady

No immense from ‘im’ and ‘mensus’.

c. Which word meaning ‘very big’ is derived from the name of one of the title characters of a book published in France in 1535?

Edmondson

Gargantuan.

Monica Grady

Yes from Rabelais The Life of Gargantua and Pantagruel.

Ah okay so you’re catching up. There’s still plenty of time though. Fingers on buzzers.

12. Referring to a precise number of legs, which order of crustacea includes shrimps, prawns, crabs and lobsters?

2018

Creamer

Decapods?

Monica Grady

Yes well done. Three bonus questions on foreign policy ‘doctrines’, and the ‘doctrines’ is in inverted quotations.

a. Which Soviet leader gave his name to a foreign policy ‘doctrine’ by which the USSR reserved the right to use military force to prevent its satellites from courses that ‘damaged socialism’?
Edmondson

Brezhnev.

Monica Grady

Correct.

b. After a popular US performer, what name did a Soviet foreign ministry spokesman give to the USSR’s policy towards the 1989 revolutions in Eastern Europe?

Edmondson

Sinatra.

Monica Grady

Correct because Warsaw Pact countries could do socialism ‘their way’.

c. Which US president’s ‘doctrine’ was first announced with a speech to a joint session of Congress requesting $400 million in aid for Greece and Turkey, and a pledge ‘to support free peoples’?

Edmondson

Truman.

Monica Grady

The Truman Doctrine of 1947, correct. So 2018 team you’ve just pulled into the lead. So fingers on buzzers your starter for 10.

13. Tetracyclines and quinolones are classes of what general type of drug, originally derived from cultures of living organisms such as fungi?

2018

Creamer

Antibiotics.

Monica Grady

Correct they are indeed. So you therefore get three bonus questions for five points each on plant cytology.
a. What specific term denotes the soft-walled, undifferentiated cells that form the basis ground tissue of plants? They make up the bulk of non-woody structures such as pith and mesophyll.

**Edmondson**

Meristem?

**Monica Grady**

No Parenchyma.

b. From the Greek for ‘divided’, what term indicates plant tissue capable of undergoing mitosis, this giving rise to new cells at growing tips?

**Edmondson**

Meristem?

**Monica Grady**

That is indeed meristem.

c. What term denotes the lateral meristems from which secondary growth arises, forming cork and vascular bundles?

**Edmondson**

Nodes?

**Monica Grady**

Cambium. Listen carefully. Fingers on buzzers.

14. For which positive integers $n$ does a real polynomial of degree $n$ necessarily have a real root?

**Staff**

Taylor

One?

**Monica Grady**

No.

**Whitehorn**
Odd numbers?

**Monica Grady**

Yes odd integers when \( n \) is odd. Well done. So naturally you now get three questions on young British artists. In each case name the artist from her works.

a. The monumental paintings Plan and Torso Two, and the triptych entitled Strategy: South Face, Front Face, North Face, which have appeared on the cover of the Manic Street Preachers’ album The Holy Bible?

**Edmondson**

Rachel Whiteread?

**Monica Grady**

No Jenny Saville.

b. The photographic series of 1992-1993 entitled Signs that say what you want them to say and not signs that say what someone else wants you to say?

**Edmondson**

Rachel Whiteread?

**Monica Grady**

Gillian Wearing.

c. Who produced the photographic series entitled Naked Flame and Crying Men, and the 2009 feature film Nowhere Boy?

**Edmondson**

Definitely Rachel Whiteread.

**Monica Grady**

Definitely not Rachel Whiteread. Sam Taylor Wood.

Okay fingers on buzzers and the instructions here are answer as soon as you buzz and you can have 2% either way.

15. The University Boat Race course of 4 miles 375 yards represents what percentage of a standard marathon race?

**Whitehorn**
15%?

Monica Grady

16.1%, so 2% either way I shall give it to you. So three bonus questions on figure skating, in each case name the jump from the description.

a. The only jump that begins with the skater facing forward, it is launched on the forward outside edge of the skate and landed on the back outside edge of the opposite foot. A single variation involves the skater making one and a half revolutions in the air.

Edmondson

Axel?

Monica Grady

It is an axel.

b. Considered one of the easiest jumps, a single variation of this move involves the skater launching from the rear inside edge of one skate, making one full turn in the air, and landing on the rear outside edge of the opposite skate.

Edmondson

Salchow?

Monica Grady

Correct.

c. A counter-rotated toe jump from the rear outside edge to the opposite rear outside edge, often preceded by a long backward diagonal glide.

Edmondson

Lutz?

Monica Grady

Yes well done. Those Saturday nights in watching Dancing on Ice! Okay OU staff you’re not doing very well which is a bit embarrassing but there's still time maybe for you to catch up so your starter for 10, fingers on buzzers.
16. According to Mercutio in Shakespeare’s Romeo and Juliet, what is the name of the fairies’ midwife, who ‘come in shape no bigger than an agate stone / On the forefinger of an alderman’, and who helps sleepers give birth to their dreams?

Staff

Taylor

Pease Blossom?

Monica Grady

Queen Mab. Oh! Would you have got that? Thank you for being so honest. Okay fingers on buzzers again teams.

17. Quote: ‘There exists a great background, vital and vivid, which matters more than the people who move upon it.’ These words of D.H. Lawrence refer to the works of which novelist and poet, who died in 1928?

Quinn

Thomas Hardy.

Monica Grady

Correct so you get three bonus questions on mottos.

a. ‘Multum in parvo’ meaning ‘much in little’, is the motto of which small English county that is home to one of the largest reservoirs in Western Europe?

Taylor

Rutland.

Monica Grady

Correct.

b. Associated with the engineer noted for his work in draining the Fens, the motto of South Cambridgeshire District Council translates as ‘nothing without effort’, and is thought to be the only British civic motto in which language?

Taylor

Dutch?

Monica Grady
Correct because of course Cornelius Vermuyden drained the fens.

And finally for five points:

c. The city of Exeter and the town of Saint Malo in Brittany share what Latin motto, meaning ‘always faithful’?

Taylor

Nominate Quinn

Quinn

Semper fidelis.

Monica Grady

Correct okay, only a few minutes more to go. Fingers on buzzers teams your starter for 10.

18. Give me both of the following terms used in physics, which differ by a single letter. One refers to a process or medium that is not dependent on direction; the other means ‘pertaining to versions of an atom or nucleus that contain different numbers of neutrons’?

Staff

Quinn

Isotopic and isotropic.

Monica Grady

Correct. So you get three bonus questions on thermometers and if you get these you’ll be nearly level pegging.

a. Which English scientist gives his name to the first successful modern maximum-minimum thermometer, demonstrated in 1782?

Hurry up, hurry up, hurry up, I need an answer.

Taylor

Nominate Ferns.

Ferns

((Hugins?))
b. The constant volume gas thermometer is used to calibrate other thermometers from which standard reference temperature, given the value of 273.16 Kelvin?

Taylor

Absolute zero.

Monica Grady

No it’s the triple point of water. ((Gong sounds))

And at the gong OU 2018 are the winners by 150 to 125, well done OU 2018.

Female Presenter

Well how does that feel 2018 team are you feeling pretty good after that? Okay that was quite exciting, I was virtually on the edge of my seat towards the end as the scores were creeping up and up. So can we have another huge round of applause for all of our teams, our quiz master and everybody at the Students’ Association and at the Open University who made tonight possible?

So to follow the teams’ progress from now on look out for updates at the Student Association Twitter page, our handle is @oustudents, it’s very easy to find and you can also find us on Facebook or visit our website at www.oustudents.com. Everybody has been a lovely audience. How did you do? Did you answer a few questions yourselves? Did anybody get more than one question right? There’s a few hands going up but not very many.

So that's everything for this evening thank you very much for joining us. Thank you to everybody who’s watching at home and I hope everybody here gets home safely. ((applause))