

## **Oxford Open 2014: Do You Want to Get with Women?**

Edited by: Kyle Quinby Haddad-Fonda D.J. Goldman,  
Christopher Niall Savory, E.D. MacAulay and George  
à Corfield

Round 8

Forge Masters

### Tossups

1. In category theory, every functor with a left adjoint induces one of these objects, and morphisms between free algebras for these are sometimes called “Kleisli arrows”. In computer science they can be used to model non-deterministic functions and processes with side effects such as input and output and they are defined in terms of the operations “bind” and “return”. Another concept sees entities with this name as infinite, in harmony and having unique, ever-changing perceptions. For 10 points, name this term which can refer to mind-like entities that make up the world in the philosophy of Leibniz.

ANSWER: monads

<sup>[1]</sup><sub>SEP</sub>2. This character tells her companion that a poem entitled ‘Charade’ is about courtship rather than mermaids or sharks. While eating strawberries, this character tells a family friend that she is dull and too talkative and she describes Robert Martin as “remarkably plain” and “clownish”. She is shocked when Mrs Weston tells her that Jane Fairfax and Frank Churchill are engaged. This character’s father doesn’t want to move to Donwell Hall after this character’s marriage to Mr Knightly. For 10 points, name the only title character in the major novels of Jane Austen.

ANSWER: Emma Woodhouse [accept either underlined part]

3. This man argued philosophers should not attribute solicitation and conation to inanimate objects in *De Motu*. James Jurin’s *Geometry no Friend to Infidelity* attacks this man for a “horrid calumny” against mathematicians. As well as writing *The Analyst*, this man posed 392 pointed questions *The Querist*. He argued there is no external reality, just ideas planted in our minds by God. In

another work he uses characters from mythology to attack John Locke. For 10 points, name this author who proposed *esse est percipi* in *A Treatise Concerning the Principles of Human Knowledge* and wrote *Three Dialogues between Hylas and Philonius*.

ANSWER: George **Berkeley**, Bishop of Cloyne

4. Three owl-headed cherubs appear in one painting by this artist that also shows Ingratitude and Avarice carrying Ignorance across a pond alongside a hermaphrodite monkey. As well as *Pallas Expelling the Vices from the Garden of Virtue*, this artist depicted an anointing jar on a marble slab and two mourners with the title foreshortened figure. A rider appears in the in the clouds in one of three of this artist's works showing a certain saint shot with arrows. For 10 points, name this artist known for his depictions of Saint Sebastian and *The Lamentation Over the Dead Christ*.

ANSWER: Andrea **Mantegna**

5. Mid-IR analysis of this object by Andy Rivkin showed that its surface is comprised of carbonates, brucite and iron-rich clays not ammoniated clays or water ice as previously believed. Ian McKinnon has proposed that this object fits the Nice model, accreting as a TNO and migrating. This object's density implies that it contains more freshwater than Earth, and McCord and Sotin suggested that it has differentiated into having a rocky core and an icy mantle. Along with Vesta, this object will be studied in 2015 by the *Dawn* mission. For 10 points, name this smallest dwarf planet, the only one in the inner solar system.

ANSWER: **Ceres**

6. One character in this novel claims to be a friend of the highwayman Tom King. A servant girl in this novel makes a walking aid in the style of Jacquet-Droz in order to walk through the night, although a stray dog later drags her. In this novel featuring Jan Coggan and Fanny Robin, a character wears a false beard to hide from a creditor while at a sheep fair at Greenhill in South Wessex. That character, Sergeant Troy, is later shot by Mr

Boldwood. For 10 points, Gabriel Oak and Bathsheba Everdene appear in which novel by Thomas Hardy?

ANSWER: *Far from the Madding Crowd*

7. One ruler of this name roamed the streets of Berlin ripping extravagant clothing off women. Another ruler with this name established the customs union that became the Zollverein, while a third said an offer to become Emperor of Germany “smelled of the gutter” and rebuilt Hohenzollern castle. A duke with this name was known as “the great elector.” Another ruler with this name recruited soldiers at least six-foot-two to join the “Potsdam Giants.” For 10 points, what name is shared by four Prussian kings, including the father of Frederick the Great?

ANSWER: Frederick-William [or Friedrich-Wilhelm; do not accept or prompt on “Frederick” or “Wilhelm”]

8. This quantity is multiplied by Young’s modulus to define stiffness in the Euler–Bernoulli beam equation. For a solid sphere, this quantity is two fifths of the radius squared times mass, and this quantity can be found using Steiner’s parallel axis theorem. Multiplying this quantity by angular velocity gives angular momentum, and an analogue of Newton’s second law sets torque as this quantity times angular acceleration. For 10 points, name this rotational analogue of mass.

ANSWER: moment of inertia

9. Martinů’s work of this type and number quotes phrases from the “St. Wenceslas Chorale” and his opera *Julietta*. Mozart used a theme from *Apollo et Hyacinthus* for the “Andante” of his work of this type and number which is his first in four movements. One work of this type and number in C major was inspired by Rossini’s success in Vienna and in another work of this type and number the second movement is a “Humoreske” played without strings. As well as Schubert’s *Little C Major* and Nielsen’s *Simple*, other symphonies of this number include one where a bassoon solo is marked *pppppp* and another with a movement labelled “Scene by the Brook”. For 10 points, what number links Tchaikovsky’s

*Pathétique* and Beethoven's *Pastoral* symphonies?

ANSWER: sixth symphony [accept word forms and accept sixth after "symphonies"; accept *Fantaisies symphoniques* before "Mozart" from people who ignore instructions]

10. Smaller islands in this archipelago include the Minalto islands and Men-a-vaur. Smugglers used two caves known as Piper's Hole in this archipelago and its largest sandbank is called Crow Bar. This archipelago is four miles east of the world's smallest island with a building on it: Bishop's Rock. Tourist sites in this archipelago include Rushy Bay on Bryher and the Abbey Gardens established by Augustus Smith on Tresco. Half of its population lives in Hugh Town. For 10 points, name this archipelago off the south coast of Cornwall.

ANSWER: Isles of Scilly [Enesek Syllan]

11. In one work by this author, the flight of a gadfly to the Nile is described by the chorus in a prayer to Zeus asking for protection from the lust of young men. In another work by this author two characters disguise themselves as travellers from Phocis. In addition to the *The Suppliant Women* and *The Libation Bearers*, this author wrote a play a purple carpet is laid out for the title character, who is murdered by Aegisthus and Clytemnestra as revenge for the sacrifice of Iphigenia. For 10 points, name this Greek playwright, whose *Agamemnon* was the first play in his trilogy *Oresteia*.

ANSWER: Aeschylus

12. Brouwer and Heyting favoured those which avoid the principle of excluded middle, and which thus correspond to programs via the Curry–Howard isomorphism as they are "constructive". Paul Erdős spoke of a book containing the best examples of these, a famous one of which assumes the existence of only finitely many primes in a technique known as *reductio ad absurdum*. They may be found by methods including contradiction and induction. For 10 points, name these deductive arguments used to demonstrate the truth of mathematical statements, which are often followed by an empty

square or the letters “Q.E.D.”

ANSWER: mathematical **proofs**

13. Rulers of this empire drank from the skull of the loser of the Battle of Nsamankow. Garnet Wolseley defeated it at Amoafu and Ordashu, and this empire’s Queen Yaa declared war on the British while Prempeh I was exiled in the Seychelles. Its attacks on the coastal Fanti and Ga peoples led to its first war against the British. It was formed after the Battle of Feyiase, in which the Akan people were led by Okomfo Onekye and Osei Tutu I. Its leaders ruled from Kumasi and sat on the Golden Stool. For 10 points, name this empire in what is now Ghana.

ANSWER: **Ashanti** Empire [or **Asanteman**]

14. During this conflict, Mulugueta Bulli led one of the three Ethiopian Kagnew battalions that won all 238 of their engagements. A series of battles took place at “Old Baldy” during this conflict, which also saw Arthur Trudeau lead UNC forces at the Battle of Pork Chop Hill. In it, Matthew Ridgeway was selected by Harry Truman to replace Douglas MacArthur, who had masterminded the amphibious assault at Incheon. For 10 points, name this conflict that began in 1950 when Northern communist forces crossed the 38<sup>th</sup> parallel on an Asian peninsula.

ANSWER: **Korean** War [accept **Hanguk Jeonjaeng**, **Joseon Jeonjaeng**]

15. This action is not necessary when performing Hajj al-Ifrad, but during Hajj al-Tamattu this action is performed after the stoning of the devil. This action is performed in the Vedic kingship ceremony, *ashvamedha*, before the queen simulates copulation with a horse while others recite obscenities. Performed on the eve of Yom Kippur, *kapparot* traditionally involved this action. A Greek variety of this practice was a hecatomb. For 10 points, name that practice that sees the offering of a ritual slaughter.

ANSWER: animal **sacrifice** [accept word forms; accept answers that mention specific animals but NOT humans; prompt on “slaughter” and “offering” before “offering” is read]

16. Reduced thioredoxin can activate a number of enzymes in this process by reducing their regulatory disulphide bridges. This process can restart when malate stored in vacuoles is decarboxylated to pyruvate in crassulacean acid metabolism, and in C4 organisms it occurs in bundle sheath cells. In this process, two molecules of 3-phosphoglycerate are formed from the reaction of ribulose 1,5-bisphosphate with carbon dioxide, catalysed by Rubisco. For 10 points name these series of reactions in which carbon is fixed to form sugars in chloroplasts.

ANSWER: Calvin-Benson-Bassham cycle [prompt on photosynthesis and dark reactions]

17. In one novel by this author, the story of Fray Baltazar is recalled by a priest whose only possession is an ancient, wooden parrot. A Jean-Georges Vibert painting inspired this author's description of Bishop Ferrand assigning a priest a new diocese. In another novel, Pavel recalls throwing a couple out of their wedding carriage to a pack of wolves. That novel's narrator fantasises about kissing Lena Lingard in a Nebraskan cornfield, and the married Antonia Shimerda is visited by her childhood friend Jim Burden. For 10 points, name this author of *Death Comes for the Archbishop* and *My Ántonia*.

ANSWER: Willa (Sibert) Cather

18. In a Nena creation myth, one of these events occurs after the material that makes the world is defecated by ants. In Mapuche myth, the serpent Kai-Kai causes one of these events, and one caused by the Aztec goddess Chalchiutlecue destroyed the fourth sun. Enlil decided to kill all humans in one of these events, but Utnapishtim is saved when Enki instructs him to build *The Preserver of Life*. Manu Vaivaswata is warned of one of these events by the first avatar of Vishnu, the fish Matsya. The only survivors of one of these events are Pyrrha and Deucalion. For 10 points, name these disasters, one of which in Abrahamic traditions is only survived by the family of Noah.

ANSWER: great floods [accept clear knowledge equivalents such

as **deluges**, etc.]

19. Ian Ritchie added three glass circulation towers to the outside of one of these buildings in Madrid and Oscar Niemeyer designed a white-concrete one often described as a “flying saucer” at Niterói. One of these buildings designed by Frank Gehry loosely resembles a ship and is clad in titanium and glass. The east wing of one of these buildings is an angular trapezium and was designed by I. M. Pei, who also added a glass pyramid to another of these buildings. For 10 points, what sort of building is the Louvre?

ANSWER: art **galleries** or **art museums** [accept equivalents; prompt on “museums”]

20. At this event, Colonel Axtell shouted “down with whores!” and threatened to shoot two masked ladies that shouted in protest. As well as John Dorislaus, other jurists at this event included one who refused to pick up a silver cane tip, and the bulletproof beaver-wearing president, John Bradshaw. Parliament authorized it after MPs supporting the Treaty of Newport were purged by Thomas Pride and the New Model Army. Taking place in Westminster Hall, this was, for 10 points, what January 1649 trial of a certain defeated monarch?

ANSWER: **trial of Charles I** [accept any equivalent answer as long as it mentions **Charles I**]

### **Bonuses**

1. The title character of this play dies after falling into a boiling cauldron. For 10 points each:

[10] Identify this play in which Barabas sends a servant to murder all of the nuns in the convent that is home to his daughter, Abigail.

ANSWER: **The Jew of Malta**

[10] Name this Turkish, Christian hating servant of Barabas. He is blackmailed into betraying his master by a prostitute.

ANSWER: **Ithamore**

[10] Ithamore and Barabas are creations of this playwright of

*The Tragical History of Doctor Faustus.*

ANSWER: Christopher **Marlowe**

2. This function is written in the form  $y$  equals  $k$  to the  $\alpha$  times one to the  $\beta$ , where  $\alpha + \beta = 1$ . For 10 points each:

[10] Name this doubly-eponymous production function used in microeconomics that relates output to capital and labour and includes parameters for output elasticity.

ANSWER: **Cobb–Douglas** function

[10] These graphs are neat and convex for the Cobb–Douglas function. They represent goods bundles for which the consumer has no preference.

ANSWER: **indifference** curves

[10] This quantity is kept constant in indifference curves. It is assumed that individuals try to maximise this quantity.

ANSWER: **utility**

3. This man coined the aphorism “the road to hell is paved with good intentions.” For 10 points each:

[10] Name this Cistercian abbot dubbed *Doctor Mellifluus* by Pius XII. This author of *On Loving God* and *On Consideration* was an advisor for five popes and had such influence that Eugene III supposedly remarked “they say that it is you are who are Pope and not I”.

ANSWER: Saint **Bernard** of **Clairvaux**

[10] At the request of Eugene III, Bernard of Clairvaux preached throughout France raising support for the second crusade after Turks led by Zengi captured this city in 1144. The centre of a namesake landlocked crusader state northeast of Aleppo, this city had been a centre of Christianity since Thaddeus converted King Abgar V here in the second century.

ANSWER: **Edessa**

[10] Bernard persuaded Innocent II to convene the 1140 council of Sens to condemn the doctrine of this theologian. Fulbert’s men castrated this author of *Sic et Non* because of his relationship with Heloïse.



ANSWER: Peter **Abelard**

4. Why use the northern blot when you can use a process involving this enzyme? For 10 points each:

[10] Name this enzyme that is used create a complementary DNA template in RT-PCR.

ANSWER: **Reverse transcriptase**

[10] These viruses use reverse transcriptase; examples include murine leukaemia virus and hepatitis-B.

ANSWER: **Retroviruses**

[10] This reverse transcriptase adds the sequence TTAGGG to the 3' (three prime) end of the namesake region of the chromosome.

ANSWER: **Telomerase**

5. The mechanism in which these entities are produced approximately simulates a Poisson process with an expected waiting time of ten minutes. For 10 points each:

[10] This digital cryptocurrency has received much media attention in recent months. It has experienced an increase in value of over 20,000% since its introduction in 2009, at one point surpassing the value of an ounce of gold in November 2013.

ANSWER: **Bitcoin** [or **BTC**; or **XBT**]

[10] Double spending of bitcoins is avoided by recording all transactions in this public log, which is maintained by a distributed network of computers competing to solve cryptographic problems.

ANSWER: the **blockchain**

[10] Bitcoins are divided into hundred-millionths named after this mysterious pseudonymous author of the paper which first proposed the peer-to-peer cash system on which Bitcoin is based.

ANSWER: **Satoshi Nakamoto** [accept either name]

6. Identify some Chinese novels, for 10 points each.

[10] This novel follows a Buddhist monk, Tripitaka who tries to bring Buddhism to China. He is joined by Sandy, Pigsy and the Monkey King.

ANSWER: **Journey to the West** [or **Xī Yóu Jì**; or **Hsi-yu chi**; prompt on “*Monkey*”, which is an abridged translation]

[10] This one-hundred chapter novel by Shi Nai'an is based on the exploits of the outlaw Song Jiang and his companions during the Song dynasty. It sees the one-hundred-and-eight stars of destiny fight the forces of Gao Qiu.

ANSWER: *Water Margin* [or *Shuǐ Hǔ Zhuàn*; or *Outlaws of the Marsh* and equivalent translations; or *All Men Are Brothers*; or *The Marshes of Mount Liang*]

[10] Tris Cole wants you to know that this novel uses several themes from the *Water Margin* although it is better known for its depiction of sexual fetishes. The sex could get a bit dangerous as the concubine Li Ping'er bleeds to death and the protagonist Ximen Qing dies after an overdose of aphrodisiacs.

ANSWER: *The Plum in the Golden Vase* [accept equivalent translations; or *Jin Ping Mei*; or *The Golden Lotus*]

7. This author linked verification theory to reductionism in one work. For 10 points each:

[10] Name this philosopher who also rejected the analytic-synthetic distinction in *Two Dogmas of Empiricism*.

ANSWER: Willard Van Orman Quine

[10] In *Philosophy and the Mirror of Nature*, Richard Rorty argues Quine's doctrines of indeterminacy of translation and ontological relativity demand the end of this discipline. This branch of philosophy concerned with the nature of knowledge was considered to be a science by Quine, as it deals with sense data.

ANSWER: epistemology

[10] Rorty argued that Quine's attack on the structure-content distinction in *Two Dogmas of Empiricism* "invokes the same argument" as this philosopher's attack on the idea of "givenness" in his *Empiricism and the Philosophy of Mind*.

ANSWER: Wilfred Sellars

8. Conspirators involved with this plot included Arthur Thistlewood, James Ings and the Jamaican William Davidson. For 10 points each:

[10] Name this conspiracy devised by a group called the Spencean Philanthropists which planned to raid a dinner, decapitate the

cabinet and display the severed head of Castlereagh on Westminster Bridge in the hope it would trigger a revolution. It was uncovered by the Bow Street runners.

ANSWER: **Cato Street** conspiracy

[10] The Cato Street conspiracy sought to assassinate this long-serving prime minister, whose tenure saw the Peterloo massacre and the introduction of the Corn Laws.

ANSWER: Robert **Jenkinson**, 2<sup>nd</sup> Earl of **Liverpool** [accept either underlined part]

[10] The conspirators had been angered by legislation known as the Six Acts that was issued after the Peterloo massacre and designed to prevent further disturbance. The Six Acts were pushed through by this former prime minister who was serving as the home secretary in Liverpool's cabinet.

ANSWER: Henry **Addington**, 1<sup>st</sup> Viscount **Sidmouth** [accept either underlined part]

9. Answer some questions about electrochemistry, for 10 points each:

[10] This equation can be used to calculate equilibrium reduction potential of electrochemical half cells. It is named for the developer of the Third Law of Thermodynamics.

ANSWER: **Nernst** equation

[10] This diatomic gas' equilibrium with protons has its reduction potential defined as zero.

ANSWER: **Hydrogen** (or **H<sub>2</sub>**)

[10] This equation relates the current through an electrode to overpotential and anodic and cathodic currents in the electrode. At high overpotential it simplifies to the Tafel equation.

ANSWER: **Butler–Volmer** equation

10. This man's grandfather is said to have only laughed once in his lifetime, upon seeing a donkey eating thistles. For 10 points each:

[10] Name this Roman politician, one of the richest men in history, who formed the first triumvirate with Pompey and Julius Caesar.

ANSWER: Marcus Licinius **Crassus**

[10] Suetonius alleged Crassus was complicit in a conspiracy led

by this senator to overthrow the republic. However Crassus was among those who brought letters warning of an impending massacre to Cicero who condemned this former governor of Africa in the senate.

ANSWER: Catiline [or Lucius Sergius Catilina]

[10] *The Conspiracy of Catiline* was recorded by this historian and politician who served as a territorial governor in Numidia and wrote a history of the Jugurthine War. An invective against this man claimed that he belonged to a faction of “wantons, catamites, traitors, committers of sacrilege, and debtors”.

ANSWER: Sallust [Gaius Sallustus Crispus]

11. On the advice of her sister, Bella Salomon gave the score of this piece of music to her fourteen-year-old grandson, Felix Mendelssohn, and changed the course of classical music. For 10 points each:

[10] Name this first major choral work by Bach. The text was compiled by Picander and many of the reflective arias are sung by an imaginary ‘Daughter of Jerusalem’. Mendelssohn’s 1829 performance of this work is credited with reviving interest in Bach.

ANSWER: Saint Matthew’s Passion [or Matthäus-Passion; or BWV 244]

[10] Mendelssohn doubted the authenticity of this other Bach choral work, suggesting it was probably copied from Telemann or another composer. Krzysztof Penderecki wrote an atonal choral work with the same title which used over one-hundred variations on the BACH motif.

ANSWER: St Luke Passion [or Lukas-Passion; or Passio et mors Domini nostri Jesu Christi secundum Lucam; or The Passion and Death of Our Lord Jesus Christ According to St Luke]

[10] Mendelssohn also reinvigorated interest in this composer with his arrangement of the oratorio *Israel in Egypt*. Charles Jennens who compiled the text for *Israel in Egypt* also collaborated with this composer on *Messiah*.

ANSWER: Georg Friedrich Händel

12. Identify some characters from the works of Dostoyevsky, for 10 points each.

[10] This character from *Crime and Punishment* murders his

landlord Alyona Ivanovna with an axe and later kills her sister Lizaveta.

ANSWER: **Rodion** (Romanovich) **Raskolnikov** [accept either underlined part]

[10] The eldest of the *Brothers Karamazov* must control his violent temper when he and his father compete for the same woman, Grushenka.

ANSWER: **Dmitri Fyodorovich Karamazov**

[10] This character is murdered by her lover Rogozhin and is Agalya Epanchin's rival for Prince Myshkin's affections in *The Idiot*.

ANSWER: **Nastasya Filippovna Barashkova** [accept any underlined part]

13. In one painting in this series, an old man draws in the dirt, and another depicts a woman throwing herself into a harbour to avoid the sexual advances from a soldier. For 10 points each:

[10] Name this series of five paintings inspired by *Childe Harold's Pilgrimage*. Paintings in this series include *The Savage State* and *Desolation* and each picture depicts the same rocky outcrop with a precariously balanced boulder.

ANSWER: *The **Course of Empire***

[10] *The Course of Empire* was painted by this founder of the Hudson River school, whose other paintings include *The Voyage of Life* series, *The Titan's Goblet* and *The Oxbow*.

ANSWER: Thomas **Cole**

[10] Thomas Cole was depicted with William Cullen Bryant on a promontory in the Catskill Mountains in this painting by Asher Durand.

ANSWER: **Kindred Spirits**

14. For 10 points each, answer the following about the rivers of South America.

[10] The Amazon is usually considered to begin at the confluence of Ucayali and Marañón; however, in Brazil, it is only considered to begin when the resulting river is joined by the Rio Negro at this city, the capital of Amazonas state.

ANSWER: **Manaus**

[10] This river rises in Minas Gerais and is joined by the Iguaçu, Paraguay and Salado before joining with the Uruguay to form the Río de la Plata. It is the second longest river in South America, after the Amazon.

ANSWER: **Paraná**

[10] After the Amazon, Paraná, and the Amazon's tributary, the Madeira, this river is the fourth longest in South America. It is the longest river entirely within Brazil. Also rising in Minas Gerais, this river is dammed at Paulo Afonso and reaches the sea in Alagoas.

ANSWER: **São Francisco**

15. Answer some questions about solid state physics, for 10 points each.

[10] These ordered solids comprise a basis repeated on lattice points, and the Kapustinskii equation can be used to calculate their energy.

ANSWER: **crystals**

[10] All crystals can be classified as one of these lattices, of which there are fourteen distinct ones. They are named for a French physicist.

ANSWER: **Bravais** lattices

[10] Families of planes in Bravais lattices are characterised by these three numbers, usually represented as h, k and l.

ANSWER: **Miller** Indices

16. This poem's narrator declares "Would I had whelped a knot of vipers — at the worst/ 'Twere better than this runt that whines and snivels there!" For 10 points each:

[10] Name this poem that describes the rejection the author felt after his mother's remarriage. It describes The Poet whose "lucid essence flames with lightnings".

ANSWER: **'Benediction'** [**'Bénédiction'**]

[10] In the section 'Spleen and Ideal', 'Benediction' precedes this poem. Also describing the poet, it compares him to the title "prince of cloud and sky" whose "giant wings prevent him from

walking”.

ANSWER: ‘**The Albatross**’ [‘L’**albatros**’]

[10] ‘Benediction’ and ‘The Albatross’ are collected in *Les Fleurs du Mal*, a work by this French symbolist poet.

ANSWER: Charles (Pierre) **Baudelaire**

<sup>[17]</sup><sub>SEP</sub>17. When these objects are smaller than one hundred square kilometres they are called stocks. For 10 points each:

[10] This term describes a large intrusive mass of igneous rock formed when several plutons converge. They are formed when buoyant magma rises through country rock and they extend over hundreds of square kilometres. A form of erosion known as exfoliation may shape the exposed surface into domes.

ANSWER: **batholith** [accept but don’t otherwise mention **granite boss**]

[10] Batholiths are often comprised of this igneous rock made of quartz, orthoclase feldspar and mica. It is the most common form of rock in the continental crust.

ANSWER: **granite**

[10] This rock is similar to granite except that it contains more plagioclase than orthoclase feldspar. Its other constituent minerals are hornblende, augite and biotite mica.

ANSWER: **granodiorite**

18. Possible answers to a question posed by this group include “Gering-ding-ding-ding-dingeringeding”, “Hatee-hatee-hatee-ho”, “Joff-tchoff-tchoffo-tchoffo-tchoff” and “Jacha-chacha-chacha-chow”. For 10 points each:

[10] Name this Norwegian duo who repeatedly ask “what does the fox say?” in their viral hit “The Fox”.

ANSWER: **Ylvis** [accept Vegard and Bård **Ylvisåker**]

[10] In Wes Anderson’s film *The Fantastic Mr. Fox*, whatever the title fox says, he says with the voice of this actor. This actor’s only other voice role have been in *South Park* and he won an Academy Award for his performance in *Syriana*.

ANSWER: George (Timothy) **Clooney**

[10] In Lars Tier’s charming film *Antichrist*, Willem Dafoe’s character lifts up a fern to find a fox who takes a break from eating his

own innards to say these two words.

ANSWER: “**chaos reigns**”

19. It would be prudent not to claim that these sportsmen have anything discernible in common. For 10 points each:

[10] This running back became this first professional player to rush 2000 yards in a season while playing for the Buffalo Bills. He later moved to the San Francisco 49ers.

ANSWER: O. J. **Simpson** [or Orenthal James **Simpson**; accept **O. J.**]

[10] This T44 double amputee runner has six Paralympic gold medals between 100 metres and 400 metres. In 2011 he became the first disability athlete to win a global medal for able-bodied athletes with a silver in the 400 metre relay at the world championships in Daegu.

ANSWER: Oscar (Leonard Carl) **Pistorius**

[10] Rated by BoxRec as the second greatest middleweight boxer ever behind Dick Tiger, this Argentinean made more title defences and held the undisputed title longer than any other boxer in his weight division.

ANSWER: Carlos **Monzón**

20. For 10 points each, answer the following about the history of tobacco in Virginia:

[10] This king described smoking as “a custom loathsome to the eye, hateful to the nose” and “harmful to the brain” in his treatise *A Counterblaste to Tobacco*. Nevertheless, in 1606 he chartered the unsuccessful Virginia Company to bring tobacco to London.

ANSWER: **James I** of England [or **James VI** of Scotland]

[10] Tobacco only became a commercially viable crop and Virginia’s main export after this colonist introduced a new strain from Trinidad to Jamestown. He later married the Powhatan princess Pocahontas.

ANSWER: John **Rolfe** [definitely do not accept “John Smith”]

[10] As tobacco was serving as collateral in the loan Benjamin Franklin negotiated with France, British troops burned Virginian tobacco warehouses after victory at this 1781 battle. This battle of the Yorktown campaign saw von Steuben’s forces retreat from troops led by Benedict Arnold in one of his first battles after his



defection.

ANSWER: Battle of **Blandford** [accept Battle of **Petersburg**, but not the “Siege of Petersburg,” which refers to a Civil War battle]