

MKULTR4: Very Vague And Not Well-Funded

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Editors 2

Tossups

1. In one story, this deity beheads a group of thieves when they decide to sacrifice a monk to this deity, and one particular depiction of this deity is known as *ekamukhi*, or 'one-faced'. This deity was summoned to defeat Raktabija, who could clone himself from every drop of his own blood spilled, until this deity ate all of him. This deity is generally portrayed either with ten faces, ten arms and blue skin, or armed with the *khatvanga* and *mundamala*, or (*) skull-topped staff and garland of severed heads. In various stories, this deity either emerged from Vishnu's dreams or Durga's forehead, or was created when Parvati fused with this goddess' husband to create a goddess that could kill the demon Daruka. For 10 points, name this destroyer goddess of Hindu tradition, the consort of Shiva.

ANSWER: Kali [accept Mahakali, Kalika or Ratrakali] <EL>

2. In *Bokurano*, one of these things is powered by the life force of 15 children, and is named Zearth. Examples of these things in one series include Dayakkaiser and King Kittan, as well as the eponymous galaxy-sized Tengen Toppa Gurren Lagann. In one film, a programmer kills himself after designing a virus to make these things go berserk during a typhoon - they are that franchise's eponymous (*) Labors. In a series subtitled *Legendary Defender*, the protagonists combine five lion-shaped examples of these things to form a larger humanoid example, the eponymous Voltron. In a franchise created by Sunrise, these things are known as Mobile Suits, and include Gundam units. For 10 points, name these large machines used, generally for combat, in numerous anime series.

ANSWER: mecha [accept giant robot, Super Robot or Real Robot, prompt on 'robot' alone, prompt on 'Gunmen', 'Voltron', 'Labor', 'Mobile Suit', or 'Gundam' before said] <EL>

3. One work for this many performers opens with a slow, parodic *sinfonia*, and was described by Aaron Copland as "a mess of 18th-century mannerisms". A piece by Schubert for this number of performers was commissioned by clarinetist Ferdinand Troyer as a response to Beethoven's Opus 20, to which Schubert added a second violin. Caroline Shaw won a Pulitzer in 2013 for her *Partita for [this many] Voices*, which was written for (*) Roomful of Teeth. The final movement of an E-flat major work for this many performers quotes Handel's *Messiah* in its *presto* fourth movement, and was written when the composer was 16 years old. Mendelssohn's Opus 20 was scored for, for 10 points, what number of performers in an octet?

ANSWER: Eight [or 8; accept octet before read] <EL>

4. The V&A holds an object from this dynasty that is inscribed with the words "I have no refuge in the world other than thy threshold." A pavilion built by a ruler of this dynasty that has twenty columns is known as Forty Columns because of the long reflecting pool upon which it stands. A ruler of this dynasty briefly hosted the fugitive ruler Humayun. The Ardabil Carpet was commissioned by a ruler of this dynasty. The (*) Qizilbash gradually lost control over the leaders of this dynasty during the reign of Tahmasp I. Shah Abbas I made Isfahan this dynasty's capital near the end of the 16th century. For 10 points, name this dynasty that established Twelver Shia as the predominant faith in Iran.

ANSWER: Safavid dynasty <JG>

5. A semi-plotless novel titled for these objects includes a table of contents that consists entirely of paired names like "Allan and Elizabeth" and "Oliver and Pauline". In that Harry Mathews novel

titled for these objects, Owen hires a woman called “High Heels” to help him find a missing *Portrait of Elizabeth*. A character who produces diary entries relating to these objects asks his doctor for a certificate of sanity after his father calls him crazy. The initialism (*) “L.C.” refers to these objects in *Confessions of Zeno*. These are the second title object of an essay that claims that only the radio is a cheaper recreation than reading. For 10 points, Orwell tried to work out whether he spent more money on books or what tobacco product?

ANSWER: cigarettes [do not accept other thing, -1000 if they say vaping] <JG>

6. This figure was conceived with the help of the witch Dame Brusen, and his birthplace contained attractions such as a woman trapped in a boiling cauldron, a room full of living arrows, and a gate guarded by two lions and a flaming hand, leading to it being dubbed ‘Castle Adventurous’. This figure was granted the ability to die at the moment of his choosing, and chose to be taken to Heaven after meeting (*) Joseph of Arimathea. He’s not Arthur, but this man was shown to be “the best knight of the world” when he pulled a sword out of a stone - a description that was proven true when he became the one to complete the quest for the Grail. For 10 points, name this knight of the Round Table, the inhabitant of the Siege Perilous and the son of Elaine of Corbenic and Sir Lancelot.

ANSWER: Sir Galahad [accept Galeas or Galath, but not ‘Galehaut’] <EL>

7. In chemistry, a group represented by this abbreviation is the simplest one that can be bonded to oxygen in the substrate for a Mukaiyama aldol reaction. That group is often removed with tetrabutylammonium fluoride, and “Tips” is a bulkier analogue of it. The “theta-burst” protocol is commonly used in a medical technique known by this abbreviation, wherein a coil initiates (*) electrical currents within the brain via electromagnetic induction. Primary club ties are worn on certain Saturdays by the presenters of a radio show known by this abbreviation, and that show’s “summarisers” include Isa Guha. Jonathan Agnew and Geoffrey Boycott are regulars on a cricket program denoted by, for 10 points, what three-letter abbreviation?

ANSWER: TMS (the things are tri-methyl-silyl groups, transcranial magnetic stimulation, and test match special)

8. The “cannonball problem” asks to find numbers that are both “square-pyramidal” numbers and one of *these numbers*. The Tonelli-Shanks algorithm can be used to invert the function that generates these numbers modulo some prime. According to a theorem named for Fermat, a prime number can be written as a sum of two of these numbers if and only if it is congruent to “1 mod 4”. These are the only positive integers which have an (*) odd number of factors, and a theorem of Lagrange states that any positive integer can be written as a sum of at most 4 of these numbers. Euler solved the Basel problem by showing the sum of their reciprocals equals “pi squared over 6”. For 10 points, identify these numbers which are equal to an integer multiplied by itself, examples of which include 9, 16, and 25.

ANSWER: (Perfect) square numbers [prompt on quadratic residue] <BS>

9. This borough was home to the low-power JASON nuclear reactor, possibly the only nuclear reactor to be housed in a 17th Century building. The “onion dome” on one building in this borough was originally made of an iron frame covered in papier-mâché. The first steam railway in London ran from London Bridge to this borough. The elite start line for the London (*) Marathon is located in this borough. A railway station in this borough will form the south-eastern terminus of Crossrail, and this borough is linked to the Docklands by the Emirates Air Line cable car. The *Cutty Sark* is housed in, for 10 points, which London borough whose observatory defines the Prime Meridian?

ANSWER: Greenwich

10. In *Pokemon Black and White*, the region of Unova is based on the geography of this city, especially in landmarks like the Skyarrow Bridge. In *Lego Marvel Super Heroes 2*, four versions of

this city form districts of Chronopolis, and their landmarks include Hydra Square, the Alchemax building, and the Daily Bugle. In [PROTOTYPE], the Gentek headquarters is located in this city, whose other skyscrapers include the (*) Reuters Building and the Condé Nast Building. Tom Clancy's *The Division* is set in this city, and features factions based in the James A. Farley Building, Rikers Island, and the United Nations Headquarters. For 10 points, name this American city often featured in video games, whose real landmarks include Central Park and the Empire State Building.

ANSWER: New York [prompt on 'Hydra Empire', 'Nueva York', or 'Manhattan Noir', antiprompt on specific parts of the city such as 'Manhattan'] <EL>

11. A parody of *The Creation of Adam* featuring Chris Jericho was first displayed at a 'Festival' named for this quality. *Mortal Kombat II* introduced an alternative to Fatalities named for this quality, including moves such as cutting paper dolls and giving the opponent an autograph. The eponymous event of the third (*) *Equestria Girls* film is named for this quality, and the events of *My Little Pony: The Movie* are framed by another 'Festival' named for this quality. A song by Tigger describes this quality as "the best present ever", while in *Monsters, Inc.*, Mike claims that "nothing is more important than" this quality. For 10 points, name this quality, which the subtitle of the most recent *My Little Pony* series informs us is *Magic*.

ANSWER: friendship [accept Festival of Friendship, Friendship Games, or Friendship is Magic] <EL>

12. It was recently revealed that during this man's leadership, Burke Trend was commissioned to smear Jack Jones and Hugh Scanlon. Hugh Cudlipp claimed to be involved in the planning of a coup against this PM. This man's government employed the Information Research Department to assist the decimation of the Indonesian communist party. This politician coined the term "Selston Man" for a rival of his. Anatoliy (*) Golitsyn alleged that this man was a KGB operative. This man's government's passed the Race Relations Act. This MP for Huyton was succeeded as PM by James Callaghan. For 10 points, name this Labour PM of the 1960s and 70s.

ANSWER: Harold Wilson <JG>

13. This artist's sister produced a work in which half of a bearded head sits atop a bow and arrow and is titled *Ariette of Oblivion in the Thoughtless Chapel*. This artist made a film in which spinning circles called "rotoreliefs" are shown with either spiralled patterns or spiralled puns. This director of *Anemic Cinema* produced a work divided into the "Bride's Domain" and "Bachelor's Apparatus" and which is displayed alongside his (*) *Green Box*. This artist of *The Bride Stripped Bare by Her Bachelors, Even*, painted a work in which most of a nude woman can be seen from inside a cave after returning to art from an extended break to play chess. For 10 points, name this artist of *Étant donné*s and *Fountain*.

ANSWER: Marcel Duchamp <JG>

14. This is the first word in the title of a book that analyses how the Japanese robot *Paro* is used in therapy because healing can operate by "giving others what we most need". This is the first word in the title of that book which argues that young people's distaste for mobile conversation is tied to their growing inability to process "emotions in real time". This is the first word in the title of a book about *Why We Expect More from Technology and Less from Each Other* by Sherry Turkle. This is the second word in the title of a book that notes the decline of (*) membership in a certain kind of competitive league. This is the second word in the title of a book about the "collapse and revival of the American community". For 10 points, name give this adverb that modifies *Bowling* in the title of a Robert Putnam book.

ANSWER: alone [accept Alone Together or Bowling Alone] <JG>

15. The extreme pessimism of a poet from this country is expressed in a diary entry that begins "Everything is evil." That diary entry by an author from this country contains a third person

reference to the author's own poem "Night Song of a Wandering Shepherd in Asia." The Wu Ming Foundation is a group of pseudonymous authors from this country's New Epic movement. A 19th century poet from this country used the lines "This lonely hill has always / Been dear to me" to open "The Infinite" in his (*) *Canti*. The Hermeticist poets from this country include the author of *Cuttlefish Bones*, the winner of the 1975 Nobel Literature Prize. For 10 points, name this home country of Giacomo Leopardi and Eugenio Montale.

ANSWER: Italy <JG>

16. One kind of these devices works by using a large current to sublime a titanium filament and create a large number of highly reactive free titanium atoms. That type of this device is often used in tandem with mixtures of metal powders called NEG's. An inert gas line and one of these devices are connected to the two parts of a (*) Schlenk line. The "turbomolecular" and "cryo-" types of these devices can be used in succession to prepare the "ultra-high" type of their namesake conditions. One of these devices was used to prepare the Magdeburg hemispheres, which could then not be pulled apart by horses. For 10 points, name these devices for removing gas molecules from a sealed volume to create a low-pressure chamber.

ANSWER: Vacuum pumps (or suction pump, prompt on 'pump', do not accept "Li'l Pump")

17. Reinhart Koselleck's theory of history divides human history into three periods named for before, during and after this word. Lefebvre des Noëttes' amateur studies of this subject inspired Lynn White's controversial thesis connecting shock troops and Charles Martel's land redistribution policies. Byerley is founder of a Turkish-British family of these things. A creature of this type that was briefly extinct in the wild is named for an explorer searching for Lhasa called (*) Przewalski. Contrary to popular belief, these creatures did not charge at tanks at the Battle of Krojanty. Uhlans and hussars are military units noted for their use of these creatures. For 10 points, name this animals constitutive of western cavalry units.

ANSWER: horses <JG>

18. One supporter of this football club recalled how his sister Gill telephoned him from the BBC to simply say the name of its new manager and then hang up. One of this club's fan-sites is named for one of its player's response to being asked on live TV how it felt to win the FA Cup: "It's Fucking Excellent!". At the 2017 GQ Awards, a fan of this club and one of its players switched to Spanish during a conversation to prevent (*) Piers Morgan from joining in. A David Squires cartoon showed one of this club's former managers meeting its mascot on a beach in a reference to the Shawshank Redemption. For 10 points, which club's supporters, who include HM the Queen and Jeremy Corbyn, have not been able for two years to celebrate St Totteringham's Day?

ANSWER: Arsenal Football Club (accept cor blimey, this is Arsenal! from Tom Hill)

19. One section of this novel ends with the statement "such were the very serious consequences of the invention of paper flowers to swim in bowls." In this novel a character finds a jawless sheep's skull at the beach and refuses to throw it away. The claim that one character in this novel lives on Southampton Row is made dubious by the claim that he can see a post-office van swerving on Lamb's Conduit Street. The fate of this novel's protagonist is suggested by his mother asking "What am I to do with these (*) [shoes]?" when looking through the title location with Bonamy. This novel opens with Betty Flanders trying to write a letter while at the beach in Scarborough. For 10 points, name this novel released in the *annus mirabilis* of 1922 by Virginia Woolf.

ANSWER: Jacob's Room <JG>

20. One of these drugs is Rivaroxaban and works in a similar way to a synthetic pentasaccharide family of these drugs. The effect of one of these drugs is reversed by the administration of protamine sulfate. A low-molecular weight form of one of these drugs is easier to handle and

works by inhibiting factor Xa. A class of these drugs works by inhibiting the action of VKOR to prevent regeneration of vitamin (*) K and are called coumarins. These drugs are used in the treatment of deep vein thrombosis and of pulmonary embolism, and overdose of them can give similar symptoms to haemophilia. For 10 points name these drugs such as Warfarin and Heparin which reduce the ability of blood to clot.

ANSWER: **Anticoagulants** (or **anti-clotting** agents or **blood thinners**)

Bonuses

1. Brevity is the soul of wit, but wit is apparently the soul of naming things in 17th and 18th century theatre. For 10 points each:

[10] Sir Wilfull Witwoud is among the suitors of this character. Miraball discusses the potential terms of his marriage to this character in the “proviso scene”.

ANSWER: **Millamant** [from Congreve’s *The Way of the World*]

[10] The dramatist Littlewit and his friends Quarlous and Winwife plot to win the hand of Dame Purecraft in this play.

ANSWER: **Bartholomew Fair**

[10] *Bartholomew Fair* is by this author. Lovewit flees the plague and leaves his butler to run his house, leading to much comedy, in this author’s play *The Alchemist*.

ANSWER: Ben **Jonson** <JG>

2. We’ve gone all day without hearing some variation of Ed Sheeran’s ‘Perfect’, which seems to violate some kind of new law. So for 10 points each:

[10] ‘Perfect’ was originally the fourth single from this third album by Sheeran, which also spawned such dreadful hits as ‘Castle on the Hill’ and ‘Galway Girl’.

ANSWER: \div (‘divide’)

[10] Less than two months later, the song was then re-recorded as ‘Perfect Duet’, featuring this American singer of ‘Halo’ and ‘Crazy in Love’.

ANSWER: **Beyoncé** Knowles-Carter [prompt on either surname]

[10] Less than two weeks later, the song was re-re-recorded as ‘Perfect Symphony’. This is probably its most bearable version, as most of the vocal heavy lifting is done by this opera singer.

ANSWER: Andrea **Bocelli** <EL>

3. Answer some questions about a certain sentiment in poetry, for 10 points each.

[10] James Wright’s poem about “Lying in a Hammock” concludes with these five words after the speaker sees “A chicken hawk [float] over, looking for home.”

ANSWER: **“I have wasted my life.”**

[10] Wright’s poem is almost certainly a response to the sonnet “Archaic Torso of Apollo” by this man, which concludes “You must change your life”.

ANSWER: Rainer Maria **Rilke**

[10] Rilke’s line “You must change your life” also concludes this man’s novel *The Breast*, in which David Kaphesh turns, literally, into a giant boob. This author also wrote *Portnoy’s Complaint*.

ANSWER: Philip **Roth** <JG>

4. This author courted controversy with the dubious claims made in his history of the Bleiburg repatriations and the involvement of Toby Low in Operation Keelhaul. For 10 points each:

[10] Name this author of *The Minister and the Massacre*. This Chancellor of the International Monarchist League has stood for UKIP in in several elections, including in Wantage in 1997, 2001 and 2005, never amassing more than 2% of the vote.

ANSWER: Nikolai **Tolstoy** [or Nikolai Dimitrievich **Tolstoy**-Miloslavsky]

[10] The Bleiburg repatriations involved the return of Axis aligned people to the land that would become this country, from which they had fled. This country would later be led by Josip Broz Tito.

ANSWER: **Yugoslavia**

[10] During the Second World War Tito led this Communist resistance force against the Axis in Yugoslavia.

ANSWER: Yugoslav **Partisans** [or **National Liberation Army**] <JG>

5. This member of the Fang ethnic group was exiled from his home country to Oubangui-Chari after the Bwiti sect he was involved with murdered a woman. For 10 points each:

[10] Identify this 1st President of his country. He was arrested alongside Louis Bigmann in an ultimately failed 1964 coup led by his opponent Jean-Hilaire Aubame.

ANSWER: Gabriel Léon **M'ba**

[10] In 1967 Leon M'ba was succeeded as President of this country by Omar Bongo. Bongo would continue to lead this west African country until his death in 2009.

ANSWER: **Gabon**

[10] This author of *The Quest for the Historical Jesus* established his namesake hospital in Lamaréné in modern-day Gabon.

ANSWER: Albert **Schweitzer** <JG>

6. This man's foster mother and one of the first men he killed were both, confusingly, named Liath Luachra. For 10 points each:

[10] Name this hero of Irish myth, who gained mystical wisdom after burning his thumb on the Salmon of Knowledge.

ANSWER: **Fionn mac Cumhaill** ('Finn McCool') [accept either underlined part]

[10] That salmon became so knowledgeable by eating nine of these things, which had fallen into Connla's Well from the trees surrounding it.

ANSWER: **hazelnuts** [prompt on 'nuts']

[10] Later, Fionn would take the unorthodox tactic of inhaling poison to keep himself awake to kill the aptly-named Aillen the Burner, who set fire to Tara every year on this Celtic autumn festival.

ANSWER: **Samhain** ('SAH-win') <EL>

7. Members of this series' eponymous group include Marcus 'Dizze' Kipling, Ezekiel 'Books' Figueroa, and Shaolin Fantastic. For 10 points each:

[10] Name this 2016 Netflix series directed by Baz Luhrmann, which follows the eponymous group and the collision of hip-hop and disco cultures in the 1970s Bronx.

ANSWER: **The Get Down**

[10] Dizze is played by this rapper, celebrity scion, and Twitter sage of such wisdom as "How Can Mirrors Be Real If Our Eyes Aren't Real".

ANSWER: Jaden **Smith** [prompt on partial answers]

[10] The Get Down Brothers are mentored by this real-life DJ, portrayed by Mamoudou Athie, who had hits like 'The Message' with the Furious Five.

ANSWER: **Grandmaster Flash** [accept Joseph **Saddler**] <EL>

8. Just in case you didn't feel like this edition of MKULTRA was MKULTRA enough, have some bonuses on songs that have featured in notable Internet memes. For 10 points each:

[10] Similar to 'the world's tiniest violin', a recent meme is for Internet users to express sarcastic sympathy by instructing Alexa to play this song by Luis Fonsi and Daddy Yankee.

ANSWER: '**Despacito**'

[10] A song with surprising longevity in memes is this 1999 song by Smash Mouth, which has been adapted into every format imaginable, but is often accompanied with a shot of Shrek leaving an outhouse.

ANSWER: '**All Star**'

[10] Probably the most iconic musical meme is rickrolling, which consists of unexpectedly directing people to a video of this 1987 Rick Astley single.

ANSWER: '**Never Gonna Give You Up**' <EL>

9. Answer some questions about unusual headlines from the world of football. For 10 points each:

[10] This striker was once asked to apologise for calling France "a shit country". When asked what he'd bought his wife for her birthday he replied "Nothing, she already has [this man's name]".

ANSWER: **Zlatan Ibrahimovic** (accept either)

[10] A popular headline from May 2017 claimed that Benoit Assou-Ekotto had rejected Harry Redknapp's attempts to sign him in favour of pursuing this career.

ANSWER: **Porn star** (accept anything mentioning **pornography**, prompt on **acting**)

[10] Before their match against Sweden at the 2018 World Cup, this team swapped the numbers on their shirts around during training, in the hope that the Europeans couldn't tell the players apart just by their faces.

ANSWER: **South Korea** [prompt on 'Korea']

10. This man's involvement in the anti-psychiatry movement was bound up in his rejection of the heritability of schizophrenia. For 10 points each:

[10] Name this LSD-enjoying Scottish author of *The Politics of Experience and the Bird of Paradise*.

ANSWER: R. D. **Laing** [or Ronald David **Laing**]

[10] During an R.D. Laing lecture, this man got the idea for an experiment in which he and several other patients would fake hallucinations and be admitted into psychiatric hospitals, where they would proceed to behave normally. That study resulted in this man's paper "On being sane in insane places".

ANSWER: David **Rosenhan**

[10] Laing discusses the idea of the "ontological security" of the self in *The Self and Others*. The notion of ontological security is derived from the work of this school of philosophy exemplified by Camus and Sartre.

ANSWER: **existentialism** <JG>

11. The eighth and most recent addition to this programme was launched in 2013. For 10 points each:

[10] Name this long-running series of satellites for acquiring images of Earth.

ANSWER: **Landsat**

[10] The Landsat programme has been a useful addition for researchers using this family of techniques for observing the environment from afar. Aerial flyovers and LIDAR are useful techniques in this field.

ANSWER: **Remote sensing**

[10] Landsat has been useful for tracking these events which raged across the USA in summer 2018.

Pyrophile plants require these events to release their seeds.

ANSWER: **Fires** (accept any specific kind of fire)

12. This work's second movement is a 28-bar *Introduzione* that replaced a much longer movement later published separately as *Andante Favori*. For 10 points each:

[10] Name this piano sonata dedicated to a Viennese nobleman. The bright opening motif of its third movement inspired its occasional nickname, *L'Aurora*.

ANSWER: **Waldstein Sonata** [or Piano Sonata No. **21**]

[10] Along with *Moonlight* and *Appassionata*, the *Waldstein* sonata was one of 32 piano sonatas written by this German composer.

ANSWER: Ludwig van **Beethoven**

[10] The second theme of the *Waldstein Sonata* is unusually pitched at the mediant rather than the dominant, an idea Beethoven would reuse in this work. This late sonata's 3rd movement is a very long *adagio sostenuto*, and it concludes with an immense triple fugue.

ANSWER: **Hammerklavier** Sonata [or Piano Sonata No. **29**] <BS>

13. You're having some trouble measuring a substance's pH. You might just be colourblind, but for 10 points each, here are some possible alternatives.

[10] Maybe the universal indicator you're using is missing this dye, which turns orange in strong acids and fuchsia in alkaline solutions.

ANSWER: **Phenolphthalein** [accept **C₂₀H₁₄O₄**]

[10] Maybe you're trying to use a standard hydrogen electrode, and are finding it super cumbersome. For that reason, pH measurements are commonly taken with a combination electrode made of this material.

ANSWER: Chalcogenide **glass**

[10] Even using a glass electrode, you might have trouble measuring extreme pH values, as this equation determining the reduction potential of an electrochemical reaction breaks down under these conditions.

ANSWER: **Nernst** equation [accept **Nernst's law**] <EL>

14. Answer some questions about obscured faces in art, for 10 points each.

[10] Perhaps the most iconic obscured face in art takes the form of an apple in front of a behatted man in this artist's *Son of Man*.

ANSWER: Rene **Magritte**

[10] This artist describes himself as "the guy who puts dots over people's faces", which can be seen in works like *Stonehenge with Two Persons*. A series by him in which faces are decidedly not covered is his *Miracle Chips*, in which celebrity faces are superimposed onto crisps.

ANSWER: John **Baldessari**

[10] Many of the large horde of people accompanying the title event of this artist's painting *Christ's Entry into Brussels* have their faces obscured by masks.

ANSWER: James **Ensor** <JG>

15. Verdigris is the name given to the greenish mix of salts which appear on the surface of this metal due to weathering. For 10 points each:

[10] Name this metal, whose extraction was formerly a focus of the economy of Cyprus.

ANSWER: **Copper**

[10] The world's largest producer of copper is this South American country, one of whose major centres for refining and exporting copper is the city of Antofagasta in the Atacama Desert.

ANSWER: **Chile**

[10] The world's largest excavated pit is the Bingham Canyon Copper Mine, which is operated by this Anglo-Australian mining company named for a heavily polluted Spanish river.

ANSWER: **Rio Tinto** Group

16. Answer some questions about the Giant Rat of Sumatra, for 10 points each.

[10] This author operates under the pseudonym Giant Rat of Sumatra. Their collection *Attrib.* won the 2018 James Tait Black Prize for Fiction.

ANSWER: Eley **Williams**

[10] This author won the 2016 James Tait Black Prize for her novel *The Lesser Bohemians*. This Irish woman made waves with her stream of consciousness novel *A Girl is a Half-formed Thing*.

ANSWER: Eimear **McBride**

[10] This science-fiction novel by Christopher Priest won the 1995 James Tait Black Prize. It takes the form of the diaries of magicians Rupert Angier and Alfred Borden, and was adapted for film by Christopher Nolan.

ANSWER: *The* **Prestige** <JG>

17. Among the species which practice this behaviour are the cowbirds and the whydahs. For 10 points each:

[10] Name this behaviour where species get other individuals or species to raise their offspring.

ANSWER: **Brood parasitism**

[10] The archetypal brood parasites are these birds. Roadrunners are closely related to these birds with a distinctive call.

ANSWER: **Cuckoos** (or **cuculiformes**)

[10] A notable fish brood parasite is the cuckoo catfish from Lake Tanganyika which takes advantage of mouthbrooding species of these fish. A wide variety of these fish have evolved along the lakes of the Great Rift Valley.

ANSWER: **Cichlids**

18. This historian built upon her work on the letters of Huygens to examine English appropriation of Dutch developments in *Going Dutch*. For 10 points each:

[10] Identify this expert on Erasmus and Francis Bacon. This academic founded and led the Centre for Editing Lives and Letters at Queen Mary University.

ANSWER: Lisa **Jardine**

[10] Lisa Jardine's father was Jacob Bronowski, who is best known for presenting this 1973 BBC documentary series about the history of science.

ANSWER: *The **Ascent of Man***

[10] *The Ascent of Man* was commissioned as a scientific complement to this *Personal View* of history, presented by Kenneth Clark.

ANSWER: **Civilisation** <JG>

19. This institution was founded in response to the 1968 riots in the city in which it is located. For 10 points each:

[10] Identify this "World University" that saw showdowns between Badiou's Maoist insurgents and the rhizomatic thought of Gilles Deleuze.

ANSWER: **Paris 8** University [or University of **Vincennes in Saint-Denis**, prompt on "Paris" alone]

[10] Badiou's Maoist criticism of the political philosophy of Deleuze culminated in a paper titled for the "Fascism of" this rhizomatic vegetable, which he satirically linked to the rhizomatic mode of thinking.

ANSWER: a **potato**

[10] Badiou is best known for his work on the notion of the "event", which is expanded in a work that pairs *Event* with this concept. Heidegger's early magnum opus pairs this concept with *Time*.

ANSWER: **being** <JG>

20. We interrupt your regularly scheduled tournament for these bonuses on broadcast signal intrusions. For 10 points each:

[10] In 1987, an unidentified man hijacked an episode of *Doctor Who* on WTTW to share sage wisdom and footage of himself being spanked while wearing a mask of this TV character portrayed by Matt Frewer.

ANSWER: **Max Headroom**

[10] The previous year, John R. MacDougall, a Florida man calling himself 'Captain Midnight', had jammed this cable channel's signal to protest its \$12.95 per month subscription fees.

ANSWER: **HBO** [accept **Home Box Office**]

[10] Also in 1987 (because the 80s were weird), this American adult channel's Sunday-night broadcast of the film *Three Daughters* got overwritten with Bible verses.

ANSWER: The **Playboy** Channel <EL>

Tiebreaker

The title of Alfred Jay Nock's best known book is a reference to a book by this thinker that argued that "Man is shapen in iniquity" while "Government is begotten of aggression." This thinker argued that citizens must be allowed to "adopt a condition of voluntary outlawry" in the essay "The Right to Ignore the State". In his dissent to *Lochner v. New York* Oliver Wendell Holmes asserted that "the Fourteenth Amendment does not (*) enact" a work by this thinker. This thinker argued that his contemporaries who claim to be Liberals are just examples of "The New Toryism". This thinker penned *Social Statics* and *The Man Versus the State*. For 10 points, name this man who coined the phrase "survival of the fittest".

ANSWER: Herbert Spencer