

MKVITRA: The Undiscovered Content

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Packet 1: The Packets Do Not Exist Yet

TU1. In a 2016 parody, this character's counterpart is rumoured to have been Hugh Jackman's butt double in the *X-Men* movies, and spends much of the novel in a cat costume. After the work they appear in became public domain, multiple submissions were made to Archive Of Our Own that made no changes but to replace this character's name with the Philadelphia Flyers mascot Gritty. This character's house is described as a "huge, incoherent failure", and they are eventually killed in its (*) swimming pool. This character shares qualities with a character in Petronius' *Satyricon*, leading to the work in which this character appears originally being titled *Trimalchio [try-MAL-ki-o] In West Egg*. For 10 points, which F. Scott Fitzgerald character is known for throwing absolute ragers at his mansion, attended by Daisy Buchanan and Nick Carraway?

ANSWER: Jay **Gatsby** (accept Jay Z. **Catsby** before "After the work" and then tell the player "I admire that you're willing to admit knowing about that", accept **The Great Gatsby** because I guess that's his name)

<RJ>

BS1. In *Civilization VI*, a policy named after these things offers you an extra 2 gold per turn for each trade route - not too shabby. For 10 points each:

[10] Also known as *funduq* [FON-dook] or *wikala* [wik-AH-la] in the Islamic world, these things were roadside inns intended to let traders rest after a day of travel.

ANSWER: **Caravanserai** [ca-ra-VAN-se-rye]

[10] Caravanserais were inns that let caravans and traders rest after travel, and were found in their hundreds on this extremely large network of trade routes, established by the Han Dynasty in the 2nd century BCE.

ANSWER: **Silk Road**

[10] From the 1260s onwards, areas around caravanserais became more dangerous under this Mongol khanate. Initially a vassal state, this khanate was located in Transoxiana but eventually lost most of its territory to the Timurids. [TIM-ur-ids]

ANSWER: **Chagatai** Khanate

<ZF>

TU2. This protein and its mutants were the first proteins to be used as FRET pairs. Fusions of this protein and calmodulin [cal-MOD-u-lin] can be used to track Ca²⁺ [cee-a two plus] inside the cell. The 65-67 serine-tyrosine-glycine [SEER-ee TY-ro-seen GLY-seen] sequence spontaneously forms this protein's chromophore. That chromophore is on an alpha helix running in the middle of the eleven beta strands that make up this protein's central (*) "beta-can" or "beta-barrel". This protein was first isolated from a jellyfish in the genus *Aequorea* [ay-KWOR-ee-a]. Man-made derivatives of this protein include Enhanced Blue and Enhanced Yellow. For ten points, name this protein, that under UV light fluoresces a certain colour.

ANSWER: **GFP** or **Green Fluorescent Protein** (accept **eGFP** or **Enhanced Green Fluorescent Protein**)

<PA>

BS2. The real tragedy in the downfall of the European monarchies is that there's no vacancies for somebody to sit around and occasionally do some sketching. For 10 points each, some bonuses on court painters.

[10] Alonso Sanchez Coello served as court painter to this monarch, who ruled as King of Spain from 1556, king of Portugal from 1580, and through his marriage to Mary Tudor, King of England and Ireland for four years.

ANSWER: **Philip the Second** (prompt on Philip, do not accept an answer with a different regnal number)

[10] Philip II also employed this artist from Cremona as a court painter, after she was recommended by the Duke of Alba; she remains one of the very few female artists to serve in this role.

ANSWER: Sofonisba **Anguissola** [ang-wi-SO-la]

[10] Probably the most famous work by a court painter is this 1533 painting by Hans Holbein the Younger, depicting a pair of diplomats to London. It is thought that Anne Boleyn had this work commissioned as a gift for Jean de Dinteville, one of the pictured men.

ANSWER: The **Ambassadors**

<RJ>

TU3. **These people designed a red flag with two small white crosses and a larger white cross in the middle as part of their *Cruzob* religious revival. During one conflict, these people were repelled by a barrage of Congreve rockets when they attempted to raid the town of Orange Walk. These people opposed privatisation of henequén [hen-e-KAIN] farms and rose in rebellion in the 1847 Caste War. These people were ruled by a queen named Sak (*) K'uk [KHOOK], who was the mother of these people's longest-reigning *Ajaw* [a-HOW]. These people were once ruled by Pacal the Great and had the only known written system in the Pre-Columbian world. These people built a step pyramid known as *El Castillo* at their largest site in the Yucatan. For 10 points, name these people whose cultural centre was Chichen Itza [it-ZA].**

ANSWER: **Maya** [or **Mayans**]

<ZF>

BS3. This property is key to researching objects in debris disks known as planetesimals [plan-et-ESS-im-als]. For 10 points each:

[10] Name this property possessed by planetary systems where the magnitude of gravitational potential energy exceeds the kinetic energy. For planets, this property is restored after Roche [ROSH] limit transition.

ANSWER: **Boundness** [or **self-gravitation**]

[10] Systems that are gravitationally bound will always obey this theorem that is used to estimate mass for binary systems. This theorem relates the total potential energy of a system with the time average of its total kinetic energy.

ANSWER: **Virial** theorem

[10] The virial theorem is also used to estimate the mass of these objects, whose elliptical varieties can have their distance measured using the Faber-Jackson relation. Andromeda is an example of the spiral type of these objects.

ANSWER: **Galaxies**

<ZF>

TU4. **Aleksandr Gurevitch's theory of runaway breakdown proposed that this phenomenon arises due to the large mean free path of fast electrons created by cosmic rays, which leads to relativistic runaway electron avalanches. This phenomenon can transfer positive or negative charge, although more than 95% of observed instances are negative, and the traces of this phenomenon on solid surfaces may be visible as (*) Lichtenberg figures. The first observable stage of this phenomenon is a bidirectional ionised channel called a leader, which may speed up and split as it develops; the discharge when a leader meets a solid surface is a return stroke, which briefly heats air to more than 50,000 degrees and glows blue-white. For ten points, name this weather phenomenon where a massive electrical discharge passes from a cloud to another cloud or the ground.**

ANSWER: **lightning** (accept **electrical discharge** or **electrostatic discharge** before "discharge" is read)

<MR>

BS4. As well as the sagas of Icelanders themselves, medieval Icelandic poets adapted many foreign sources into their native genre. For 10 points each:

[10] Partly recast to suit Norse cultural norms, *Trójumanna* [troy-oo-MANN-a] *saga* is a version of the Troy story translated from the Latin *De Excidio [ex-SID-ee-o] Troiae [TROY-eye]*, a popular medieval source attributed to, and in its full title named after, this almost certainly nonexistent Greek author.

ANSWER: **Dares Phrygius** [DAR-eez FRIG-ee-us]

[10] The story of Troy and Aeneas' flight from it also opens *Breta sögur* [BREY-ta SUR-gur], or the sagas of the Britons, a translation of the *History of the Kings of Britain* by this extremely inventive Welsh monk.

ANSWER: **Geoffrey of Monmouth**

[10] As well as Geoffrey's *Historia*, many other medieval Arthurian works were translated into Icelandic sagas, including the *Strengleikar*, a collection of shorter poems adapting the Old French *lais* [lays] of this twelfth-century authoress.

ANSWER: **Marie de France**

<MR>

TU5. In an 'opera' by this composer, a robot plays recordings of JFK speeches, and one of this composer's *Playable Pieces* instructs the performer to cut their left forearm. At a 1960 performance of *Etude for Pianoforte*, this composer cut off John Cage's tie. The premiere of this composer's *Opera Sextronique* was interrupted by the arrest of the cellist (*) Charlotte Moorman, who later performed one of this person's pieces wearing a specially designed bra. This person coined the term "electronic superhighway", which appears in the name of a piece by them involving a giant neon map of the USA. In one work by this artist, a statue of Buddha watches an image of itself, and in another work by this artist a garden is populated by TVs. For ten points, name this Korean-American artist, considered the founder of video art.

ANSWER: Nam June **Paik** [peck]

<MB>

BS5. In 1908, he predicted that Germany and Britain would go to war in October 1914 as the widening of the Kiel Canal would allow safe transit of German ships between the Baltic and the North Sea. For 10 points each:

[10] Name this British admiral who, as First Sea Lord, pushed for the construction of *HMS Dreadnought*.

ANSWER: John Arbuthnot "Jackie" **Fisher**

[10] Fisher ordered a preemptive strike on the German Navy, a tactic known as "Copenhagening" after the 1807 British bombardment of Copenhagen during a series of European wars named after this man.

ANSWER: **Napoleon** Bonaparte [accept **Napoleone** Bonaparte or **Napoleon I**; prompt on **Bonaparte**]

[10] In the 1940 Operation Catapult, the Royal Navy preemptively sank French battleships at this naval base to prevent them from being commandeered by the Axis.

ANSWER: **Mers-El-Kebir** [ke-BEER]

TU6. A broadcast of this work in translation in 1969 led to a Finnish radio station being investigated by the police, and part of this work references the poet Philip Lamantia, who had a "celestial adventure" while reading the Koran. This work is quoted in the title of a Philip Glass piece, while a section of this work provides the libretto for *Song No. 7* of that chamber opera, (*) *Hydrogen Jukebox*. This work ends with the author imagining the dedicatee walking "across America in tears to the door of my cottage in the Western night" - that dedicatee is Carl Solomon, whose name is sometimes appended to the title. Opening with the line "I saw the best minds of my generation destroyed by madness", for 10 points, what 1956 poem is widely considered Allen Ginsberg's masterpiece?

ANSWER: **Howl** for Carl Solomon

<MR>

BS6. After slicing open a nylon stocking which contains a \$500 inheritance, Booth and Lincoln play this game to determine the winner. For 10 points each:

[10] This confidence game is played in the 2001 play *Topdog/Underdog*. Lincoln uses his “double left-handed” technique to win and is shot by Booth; a common trick when this con is played in real life is the “bent corner” technique.

ANSWER: **Three-card Monte** [or **Find the Lady**]

[10] *Topdog/Underdog* is a play by this African-American author, who wrote about an enslaved man who fights for the Confederacy in *Father Comes Home From the Wars*.

ANSWER: Suzan-Lori **Parks**

[10] Parks also wrote an adaptation of this 1850 novel in the play *Fucking A*, where the protagonist provides illegal abortions and is harrassed by the First Lady. In this novel, Hester Prynne is branded with the title object and is shamed by the Puritan community.

ANSWER: *The **Scarlet Letter***

<ZF>

TU7. **After a nine-month restoration of this object, conservator Nigel Williams described it as “It's OK... ruined my Christmas.” Williams later posed for a picture with this object in homage to a picture taken of John Doubleday in around 1845. G.H. Gabb was commissioned to create a thirty-seven-compartment box to hold pieces of this object. The V&A holds several poor-quality reproductions of this object manufactured in sprigged (*) jasperware by Josiah Wedgwood.**

Supposedly found in the tomb of Alexander Severus, this object may depict the marriage of Thetis and Peleus. A figure wearing a Phrygian [FRIDGE-i-an] cap appears on the non-original bottom of this object, which indicates a conversion from an amphora. For ten points, identify this Roman vessel currently held in the British Museum, named after a duke and made of dark blue cameo glass.

ANSWER: the **Portland vase**

<MB>

BS7. You are arguing with John, and John uses a lot of logical fallacies. For ten points each:

[10] John claims all Americans are honest, upstanding people, and when provided with a counterexample, he states that those do not represent real Americans, in an example of this fallacy, with a name coined by philosopher Anthony Flew in reference to whether certain people put sugar on their porridge.

ANSWER: **No true Scotsman** [prompt on **appeal to purity**]

[10] John is willing to concede that not all Americans are nice if you can name ten bad Americans. When you do so, he refuses to concede the point, and claims that you should name a hundred instead. John has engaged in this fallacy, with a name deriving from football.

ANSWER: **Moving** (or **shifting**) the **goalposts**

[10] As you explain your theories on Americans to John, he explains to you your motives for being wrong before actually demonstrating that you are wrong, committing this fallacy named by C.S. Lewis.

ANSWER: **Bulverism**

<PA>

TU8. **In June 1565, ten soldiers under command of this person died at a reception for Elisabeth of Valois [val-WA], after standing for too long in the summer heat in full armour. This person tried to commission Michelangelo to make an equestrian sculpture of her husband, only for Michelangelo to pass the commission on to Daniele da Volterra. This person is quoted as saying "peace is carried on a stick" when convincing (*) Henry III to go to war against the Catholic League. The noblewoman Charlotte de Sauve was among the most capable members of this person's "Flying Squadron", and seduced the future Henry IV on their orders. For 10 points, which Queen of France was widely blamed for the St. Bartholomew's Day Massacre, as the power behind the throne in the 16th century?**

ANSWER: Catherine de' Medici (prompt on just Medici with no forename)

<RJ>

BS8. This desert's Ténéré region was home to the world's most remote tree, until it was knocked over by a drunk driver in 1973. For 10 points each:

[10] The Dakar [da-KAR] Rally held legs in this large desert until 2008, when regional disturbances forced the rally to relocate to South America.

ANSWER: Sahara Desert

[10] In 2014, the Woodland Trust voted Major Oak, a tree in this county, as "England's Tree of the Year." Bramley's Seedling apple is a fruit that originates from this county.

ANSWER: Nottinghamshire

[10] When SEC fans aren't poisoning trees in Auburn, they are instead admiring this White Oak tree located in Athens, Georgia. This tree gets its name from the fact that when its owner died, he bequeathed a unique distinction on this tree.

ANSWER: The Tree That Owens Itself [or Jackson Oak]

<ZF>

TU9. **One character created by this person describes himself as a "self-facilitating media node" and obsessively reads the magazine *Sugar Ape*. A song first performed by Irma Thomas in 1964 recurs in six episodes of a TV series created by this person, beginning when it is sung in a talent show. John Hannah played DI Jack Cloth in a satirical police procedural written by this person, *A Touch of Cloth*. Running gags in series created by this person include the 1980s sitcom *Brush Strokes* and the Technotronic song (*) *Pump Up The Jam*; both series star Diane Morgan as idiotic reporter Philomena Cunk. This person presented multiple series named something-Wipe, including *Screenwipe*, *Gameswipe* and the 2020 special *Antiviral Wipe*. For 10 points, the anthology series *Black Mirror* was created by which writer, critic and satirist?**

ANSWER: Charlton "Charlie" Brooker

<RJ>

BS9. In November 2019, this gamer made it to Silver IV [four] rank of *League of Legends*, which was initially shared by Aida Chavez with the quote "finally some real representation." For 10 points each:

[10] Name this gamer who claimed in July 2020 that they used Sona as a main, and they were "Working on their Lulu." In a charity *Among Us* stream from October 2020, this gamer killed Pokimane [POKE-i-main] in their first game as imposter.

ANSWER: Alexandria Ocasio-Cortez [or AOC]

[10] AOC represents this state in the US House of Representatives. Other political figures linked with this city include the mayor of this state's largest city, Eric Adams, and former President Donald Trump.

ANSWER: New York

[10] One of AOC's favourite books is Doris Kearns Goodwin's *Team of Rivals*, a work about which Republican president's attempts to unify his cabinet? This president had Hannibal Hamlin as vice president and sacked his imposter Secretary of War, Simon Cameron.

ANSWER: Abraham Lincoln

<ZF>

TU10. **It's not France, but a philosopher from this country argued that the state of human perfection was delayed by biogeochemical combustion affecting the noosphere [NO-oh-sphere]. A philosopher from this country claimed that Christianity was simply a form of moralism that only aristocrats subscribed to, in his work *From the Other Shore*. This country was home to an early form of transhumanists who subscribed to the theory of (*) Cosmism. A polymath from this country argued against Social Darwinism and stated that wage compensation was a form of injustice in his *The Conquest of Bread*. Another philosopher from this country argued that imperialism was the "highest stage**

of capitalism” in the 1901 pamphlet *What is to Be Done?* For 10 points, name this country whose philosophers included Pyotr Kropotkin and Vladimir Lenin.

ANSWER: **Russia** [or **Soviet Union** or **USSR**]

<ZF>

BS10. It wouldn't be so hard to write concise answerlines for Norse myth questions if they didn't all keep wearing disguises and adopting new names. For 10 points each:

[10] Thor puts on a bridal veil and pretends to be Freyja and marry the giant Thrym, in an elaborate scheme to get back this hammer that Thrym stole.

ANSWER: **Mjöl**nir [MYURL-neer]

[10] In another story, this god took the bold move of wearing a mask and calling himself Grímnir, roughly meaning “Mask Guy”, in order to infiltrate the court of King Geirroð [GAY-roth], his foster-son. Before you get cute, we want his actual name.

ANSWER: **Odin** [accept **Woden** or **Votan**]

[10] In a namesake poem, this Swedish king adopts the name ‘Gangleri’ to go to Asgard, where he engages in a contest of questions with High, Just-As-High, and Third (who may themselves be names of Odin).

ANSWER: **Gylfi** [GUL-fi] [prompt on **Gylfaginning** by saying “I want the name of the character”]

<EBL>

TU11. **Murray Rothbard suggested that this man was the first libertarian, while Peter Kropotkin called him one of the earliest anarchists. In one story, this man encounters his long-lost son, who has become a warlord, and makes him bury his enemies rather than leaving them for the vultures. This man was conceived when his mother saw a falling star, and was born an adult 62 years later. One work by this man is said to have been composed on the spot after being recognised by the gate guard (*)** Yinxi [yin-SHEE], and promotes the concepts of *ziran* and *wu wei*. Traditionally named Li Er, for 10 points, name this Chinese philosopher, generally known by an honorific title meaning “Old Master”, the legendary author of the *Tao Te Ching* and founder of Daoism.

ANSWER: **Laozi** [lao-TSUH][accept **Lao-Tzu**, accept **Li** Er before said, accept **Lao** Laizi or **Lao** Dan]

<EBL>

BS11. The neurological disorder Witzelsucht [VITZ-el-sookht], characterised by the tendency to tell inappropriate jokes or stories in social situations, is commonly seen in patients with damage to this part of the brain. And possibly quizzers. For 10 points each:

[10] This part of the brain is the largest of the four major lobes. Phineas Gage suffered massive damage to this lobe in an industrial accident, which caused his persona to completely change.

ANSWER: **Frontal** lobe

[10] This area within the frontal lobe is associated with speech and the production of speech. Damage to this part of the brain can cause aphasia that, like this area, is named after the French physician who researched it.

ANSWER: **Broca's** area

[10] A frontal lobotomy involves destroying the pathways connecting the frontal lobe and the limbic system. The procedure was developed by this Portuguese scientist, who was awarded the 1949 Nobel Prize in Physiology or Medicine for its invention.

ANSWER: Antonio Egas **Moniz** [mon-EESH]

<RJ>

TU12. **The first published book by an Indigenous woman of this country was the poetry anthology *We Are Going*, by Oodgeroo Noonuccal [OOD-ke-roo NOON-uck-al], in which she wrote "The bora ring is gone / The corroboree [co-ROB-a-REE] is gone / And we are going." Modernist poetry in this country suffered a setback when celebrated forties surrealist Ern Malley was revealed to be a hoax. Poet Dorothea MacKellar wrote of this country "I love her jewel-sea / Her beauty and her**

terror", while John O'Grady's poem "The Integrated Adjective" lampoons this country's love of using (*) "bloody" as a casual intensifier. Clancy of the Overflow and the Man from Snowy River are heroes of this country's bush ballads. For 10 points, which country's "unofficial national anthem" began life as a poem by Banjo Paterson about a sheep-stealing swagman?

ANSWER: Australia

<MR>

BS12. "Quiero montar mi bicicleta, bicicleta, bicicleta" is what Freddie Mercury might sing if he were from South America. Since he isn't, for 10 points each, answer some questions on cyclists who are.

[10] In 2019, this Colombian cyclist became the first rider from Latin America to win the Tour de France general classification, improving on his 15th-place finish in 2018.

ANSWER: Egan Bernal [bear-NAHL]

[10] 2019 also saw another first, with Richard Carapaz becoming the first rider from this country to win the Giro D'Italia, as well as the first Latin American winner since Nairo Quintana in 2014.

ANSWER: Ecuador

[10] Both Bernal and Carapaz race as part of this team, with teammates including Chris Froome and Geraint Thomas. This team was originally named Team Sky until the sponsorship deal ended in April 2019.

ANSWER: Team Ineos (Grenadiers) [accept answers which preface this with "UCI WorldTeam"]

<RJ>

TU13. A 2013 comedy sketch from RocketJump featuring Jordan Peele and Keegan-Michael Key involves one character being a pie of this flavour all along. In the 1978 World Chess Championship, Viktor Korchnoi's team protested when Anatoly Karpov was sent a yoghurt of this flavour, claiming it was a coded message. Mike Steve Donovan is the protagonist of a Belgian-French comic series with this fruit as its title, drawn by the artist (*) Moebius. Fats Domino recorded a 1956 version of a song about a hill named after this fruit. In *Charlie and the Chocolate Factory*, after chewing an experimental piece of gum Violet Beauregarde turns into, for 10 points, what kind of round azure fruit?

ANSWER: blueberry

<RJ>

BS13. Answer the following about literary works where characters spend a solid amount of time getting deep-fried in Hell. For 10 points each:

[10] Dante and Virgil witness these creatures firing arrows towards heads that stick out of the river of blood and fire in the 7th circle. One of these creatures named Chiron [KY-ron] was the teacher of Achilles.

ANSWER: Centaurs

[10] In this novel by Mo Yan, Ximen [shi-MEN] Yao spends 30 minutes being cooked in Diyu by Lord Yama. As part of his torture, Ximen is reincarnated as various animals and witnesses the Hundred Flowers Campaign and Three Years Famine.

ANSWER: *Life and Death Are Wearing Me Out* [or *Shengsi Pilao*]

[10] This 2003 winner of the Pulitzer in Literature wrote about three immigrants' escape to America on a raft in *A Bicycle Country*. While it does not involve Hell, this author's 2003 play *Anna in the Tropics* is set in very comparable Florida.

ANSWER: Nilo Cruz

<ZF>

TU14. Academics studying this subject were likened to poets and storytellers by Deirdre McCloskey, who claimed that "it was no coincidence that the novel and <this subject> were born at the same time". Nassim Nicholas Taleb wrote that if hard science gives dramatic results from a boring process, this subject "gives boring results from a boring process", while Ha-Joon Chang wrote that "95 percent of <this subject> is common sense made complicated". Political

philosophers and those who study this subject were said to "rule the world" by an (*) Englishman who names an important movement in this subject, which is described as "the study of incentives" in the book *Freakonomics*, and by historian Ronald Hartwell as ultimately "the study of poverty". For ten points, name this discipline, sometimes called the "dismal science", which studies, broadly, markets and money.
ANSWER: **economics** or **economic science**

<MR>

BS14. Dimer? I hardly know her! Pause for raucous laughter. For 10 points each:

[10] These functional groups readily dimerise through a [2+2] [two plus two] cycloaddition. They can be formed by Wolff rearrangement of alpha-diazoketones. [di-AZ-o-KEY-tones]

ANSWER: **ketenes** [KEY-teens] (do not accept "ketones")

[10] This element's trihydride usually exists as a dimer which displays three-centre-two-electron bonding. This element's trigonal [TRIG-o-nal] planar trifluoride is a powerful Lewis acid.

ANSWER: **Boron**

[10] Hydrogen bonding allows this two-carbon carboxylic [car-bok-SIL-ic] acid to dimerise in the gas phase. This acid is found in vinegar.

ANSWER: **acetic** acid (or **ethanoic** acid)

TU15. A B-flat major concerto for this instrument was arranged by Friedrich Grützmacher, who replaced the entire second movement, and some suspect that the A major *L'Imperatrice* sonata was written for a modified version of this instrument. Jean-Baptiste Bréval wrote a treatise on this instrument, which plays the second variations in the finale of the *Hornsignal Symphony*. In the first movement of a concerto for this instrument, it enters with a quadruple-stopped C major chord; that concerto is (*) Haydn's first for this instrument. During the *Minuet Of The Blind Beggars* movement of *Musica Notturna delle Strade di Madrid*, these instruments are instructed to be played *imitando la chitarra*; that is, on the knee like a guitar. For ten points, name this instrument played by virtuoso Luigi Boccherini, the largest instrument of a string quartet.

ANSWER: **Cello** (or **violoncello**)

<MB>

BS15. According to one of its founders, this nightclub's name was the "only good title I ever came up with". For 10 points each:

[10] Founded by Nicholas Luard and Peter Cook, 18 Greek Street, Soho was the address of this London nightclub, which later became famous as a home for comedians and satirists.

ANSWER: The **Establishment**

[10] The Establishment was particularly valued for allowing comedians to perform material without being censored by this figure, an officer of the Royal Household. Between 1737 and 1968, this person issued licences for plays and acted as official censor.

ANSWER: The **Lord Chamberlain**

[10] Among acts who performed at the Establishment was Barry Humphries, performing as this female character.

ANSWER: **Dame Edna Everage** (accept either part)

<RJ>

TU16. A national park in this nation is the location of Gottfried Knoche's [k-NOK-uhs] laboratory, where he carried out many of his experiments in mummification. This nation's town of Colonia Tovar was founded by settlers from the Grand Duchy of Baden, led by Agustin Codazzi, who would later be granted citizenship of this nation. The largest lake in this nation is the home of an atmospheric phenomenon where (*) lightning flashes up to 40 times a minute for nine hours a day - this is Catatumbo lightning. In 2006, this nation added an eighth star to its flag to represent the province

of Guayana [gwa-YAH-na] despite the province being mostly within the borders of neighbouring Guyana [guy-AH-na]. This nation is home to the world's tallest uninterrupted waterfall and the largest lake in South America - for 10 points, Angel Falls and Lake Maracaibo are in what nation?

ANSWER: Bolivarian Republic of Venezuela

<ZF>

BS16. Multiple composers have written works for amplified cactus. Answer some questions about other unusual musical instruments, for ten points each:

[10] A hydraulophone [hy-DROL-o-phone] uses this substance to create sound. Wine glasses or bowls can be filled with this substance and played by running fingers around their rims.

ANSWER: Water (reluctantly accept smartarse answers like H2O)

[10] This early electronic instrument can be played by sliding a ring along a wire. Hearing the Turangalîla-Symphonie inspired Jonny Greenwood to play this instrument.

ANSWER: Ondes Martenot [ond mar-ten-OH]

[10] This American composer who wrote almost exclusively using the 43-tone scale created custom instruments such as the chromelodeon [cro-mel-OH-dee-on], a modified pump organ.

ANSWER: Harry Partch

<MB>

TU17. One invention of this scientist was a hollow needle filled with gas which was used to sterilise infected tissue. This scientist isolated a certain pure substance by using differential crystallisation to remove barium chloride from by-products of the processing of pitchblende. Another substance first isolated by this scientist has a structure like that of bismuth. This scientist was aided in the deployment of mobile X-ray units during the First World War by (*) her daughter, Irène. An inch of lead lines this woman's coffin in the Panthéon in Paris, due to radioactive contamination of her clothes and body. For ten points, name this chemist who won her second Nobel Prize for the identification of polonium and radium.

ANSWER: Marie Curie (or Maria Skłodowska)

<MR>

BS17. *Circus Galop* [ga-LOP], a piece for this instrument by Marc-André Hamelin, is sometimes regarded as an early precursor of the Black MIDI subgenre. For ten points each:

[10] Identify this self-playing instrument. Composer Conlon Nancarrow wrote many studies for this specific instrument, which he produced as paper rolls.

ANSWER: player piano [prompt on piano. Accept pianola]

[10] This author's first novel was 1952's *Player Piano*. Their other books include *Slaughterhouse-Five*.

ANSWER: Kurt Vonnegut

[10] This Baltimore musician used a MIDI-controlled player piano on their 2011 album *Bromst*. Their film scores include *Strawberry Mountain* and *Hustle*, and their live shows are known for their audience participation.

ANSWER: Dan Deacon

<MB>

TU18. One ruler of this kingdom was believed to have 21 children; their oldest legitimate child was nicknamed the "flat-nosed". Although it is now considered folklore based on records from David Powel, this kingdom led forces at the Battle of Crogen and defeated their eastern neighbour. Powel also claimed that a prince of this kingdom sailed to North America more than three hundred years before Columbus - this was (*) Prince Madoc. This kingdom, which was established in the 5th century under the House of Cunedda [kin-ETH-a], was a Roman successor state and would frequently clash with neighbouring states like Deheubarth [de-HOY-barth] and Powys. Rulers of this kingdom included Owain the Great and Llywelyn [hloo-ELL-en] ap Gruffudd [Griffith], the latter of whom was Prince of Wales for

36 years. For 10 points, what medieval kingdom was located in north-western Wales?

ANSWER: Kingdom of **Gwynedd** [GWIN-eth] (prompt on Wales with "I need something more specific")

<ZF>

BS18. Dwayne Johnson isn't the only large rock worth knowing about. For 10 points each, answer some questions about megaliths.

[10] Colloquially known as "standing stones", this term for a single upright stone derives from words in the Breton language meaning "long stone".

ANSWER: **Menhir** [MEN-er]

[10] Adrachi, Dupiani and Pyxari are rocks in this rock formation in Thessaly, noted for being the home to a complex of Eastern Orthodox monasteries built atop and within the rocks.

ANSWER: **Meteora**

Note to reader: "Pitjantjatjara" is pronounced pit-jant-jat-JAR-a

[10] Among the most famous examples of a sacred rock, this formation is sacred to the Pitjantjatjara, an Australian aboriginal people. You can give either the name in the Pitjantjatjara language or the colonial name.

ANSWER: **Uluru** (accept **Ayers Rock**)

<RJ>

TU19. **This activity was central to a 1975 Godden and Baddley study about memory recall and the psychological state of the participant when there is failure to retrieve information. Before participating in this activity, participants must estimate SAC rates. Participants in this activity commonly practise the Doing it Right approach. The Buhmann algorithm is used in this activity to allow for no stop (*) limits, and this activity uses a red flag with a white stripe to indicate when someone is "down." To prevent motion sickness, participants in this activity will place a scopolamine [sco-POL-a-meen] patch behind the ear, and gas bubble formation during this activity can cause the "bends." For 10 points, name this activity whose participants wear an oxygen tank to explore underwater environments.**

ANSWER: **Scuba** diving [Prompt on diving]

<ZF>

BS19. The brother of this type of institution's leader was killed in a duel he had specially set up to accommodate his nearsightedness. For 10 points each:

[10] An American example of this institution, led by Nicholas Biddle, clashed with Andrew Jackson's administration; Jackson's refusal to extend that institution's charter led to its collapse and precipitated the Panic of 1837.

ANSWER: **national bank** (or **federal bank** or **central bank**; accept **Second Bank** of the United States; prompt on bank by asking "what type of bank?")

[10] This President took office during the Panic of 1837. Initially Andrew Jackson's Vice President, this native Dutch speaker later led the Free Soil Party.

ANSWER: Martin **Van Buren**

[10] While the Aroostook [a-ROOS-took] War began during Van Buren's presidency, it ended under this 1842 treaty signed during the Tyler administration. Per this treaty, the United States and United Kingdom agreed on the demarcation of the Maine-New Brunswick border.

ANSWER: **Webster-Ashburton** Treaty

<ZF>

TU20. **Cover art for albums by this band include one created using the PlayStation game *LSD: Dream Emulator*, and another which used photographs taken by Envisat. One music video by this band features a fight played backwards and begins with a woman lying dead in a bathtub. Rice cakes prominently appear in a YouTube video informing the viewer "how to write" a song by this band, which features the repeated lyric (*) "put it in my butt". This band used twenty classical**

guitarists playing simultaneously on a cover of *House of the Rising Sun* appearing on their album *Relaxer*. *Fitzpleasure*, *Tessellate* and *Breezeblocks* are among tracks included on this band's 2012 Mercury Prize-winning album *An Awesome Wave*. For 10 points, what indie band took their name from the keyboard shortcut that produces a capital letter Delta?

ANSWER: **alt-J** [accept **capital Delta** before it's read; their real name is supposedly **Δ**]

<MB>

BS20. As the two main characters in this film kiss in an alleyway, the shot zooms out to show a group of thugs kicking a trash can on the sidewalk. For 10 points each:

[10] In this film, Omar, played by Gordon Warnecke, falls in love with the former fascist Johnny Burfoot. Omar's uncle Nasser runs the title business of this 1985 film.

ANSWER: **My Beautiful Laundrette**

[10] Johnny is played by this English actor, famous for method acting, whose other roles include Gerry Conlan in *In The Name of the Father* and Bill the Butcher in *Gangs of New York*.

ANSWER: Daniel **Day-Lewis**

[10] *My Beautiful Laundrette* was the first film released by this London based film studio. A subsidiary of Universal, this studio produced multiple Coen Brothers films, including *Fargo* and *The Big Lebowski*.

ANSWER: **Working Title** Films

<ZF>

Tiebreaker

A 2020 mashup by DJ Cumberbund mixed this song with Charlie Daniels' *The Devil Went Down To Georgia*. Carole Baskin spoke out about this song's video using big cats, to which one of this song's performers replied "Girl you killed your goddamn husband". A cameo by Kylie Jenner in this song's video received a negative reaction due to the video otherwise being cast entirely with black women. A widely-mocked tweet from Ben Shapiro was posted after he recited this song's lyrics on his eponymous show, in which he cited his "doctor wife's differential diagnosis" to suggest the performers suffered from bacterial vaginosis. Frank Ski's 1993 song *Whores In This House* was sampled by, for 10 points, what sex-positive collaboration between Megan Thee Stallion and Cardi B?

ANSWER: **W.A.P.** (accept **Wet Ass Pussy**)

<RJ>