

MKVITRA: The Undiscovered Content

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Packet 3: M'Sieur Le Maire...Man Car Door Hook Hand Phone

TU1. Smoke grenade impact craters were found near the border between these two countries shortly after the detainment of Eston Kohver. It is forbidden to travel a small section of one of these countries' road 178 by foot, due to the presence of the Saatse [SAHT-see] Boot, which is territory of the other. The rightwing EKRE [spell] party of one of these countries claims that the former Petseri County is illegally occupied by the other. The Gulf of (*) Narva is a body of water divided between these two countries, as is the largest trans-boundary lake in Europe, Lake Peipus. Following the Singing Revolution, ratification of a proposed new border agreement between these two countries was derailed by a reference to the Tartu Peace Treaty. For ten points each, name these two countries which share a 183-mile long border, one with capital at Moscow and one with capital at Tallinn.
ANSWER: **Estonia** and **Russia**

<MB>

BS1. It's a quiz event so you should be well-equipped for this set. For 10 points each, answer some questions about taxes and salt.

[10] This King of England enacted a tax on salt in 1693, doubling the rate of taxation three years later; it was not repealed until the mid-19th century.

ANSWER: **William the Third** (prompt on William of Orange)

[10] Philip VI [sixth] enacted a nationwide tax on salt in France known by this name, deriving eventually from an Arabic word meaning "he received". The tax was, unsurprisingly, wildly unpopular.

ANSWER: **Gabelle**

[10] Mahatma Gandhi led a march against the salt laws and taxation of the British Raj as an act of this type of non-violent resistance.

ANSWER: **Satyagraha**

<RJ>

TU2. Cryptosporidium [krip-toh-spor-ID-i-um] parvum contains an unusual version of this structure which closely associates with the crystalloid body. The Mono•cerco•monoides [MON-o-SER-co-mon-OH-id-eez] flagellate is the only known eukaryotic genus to lack these structures. The assembly of iron-sulfur clusters is a conserved function of these structures in eukaryotes. (*) Lynn Margulis popularised the endosymbiotic hypothesis, which states that these structures were once prokaryotic symbionts that eventually became part of their host. Research into different haplogroups with differences in this structure's genome have given rise to a hypothetical most-recent matrilinear ancestor called this organelle's "Eve". ATP is generated in - for ten points, what organelles often nicknamed "the powerhouse of the cell"?

ANSWER: **Mitochondria** (accept word forms e.g. mitochondrion)

<MR>

BS2. Examples of these things include the 410, the 660, and the Gutenberg. For ten points each:

[10] Andrija [an-DREE-a] Mohorovicic [mo-ho-RO-vitch-itch] names one of these things which lies between the crust and the mantle.

ANSWER: **discontinuity** (accept boundary)

[10] The Gutenberg discontinuity separates the outer core and lower mantle. The last layer of mantle before the discontinuity is this layer, which recent evidence suggests is dominated by a high-pressure mineral structure called post-perovskite.

ANSWER: **D'** (**D prime prime** or **D double prime**. Prompt on D, do not accept "D prime".)

[10] The 410 discontinuity is found within the mantle and is characterised by a shift in mantle composition, as this green magnesium iron silicate mineral found throughout the upper mantle gives way to wadsleyite.

ANSWER: **olivine** (accept **forsterite** or **fayalite**)

<MR>

TU3. For a particle in an electromagnetic potential, its momentum is modified by a factor of this quantity over the speed of light multiplied by the four-potential. Integrating the polarisation density within an enclosed surface results in the negative bound form of this quantity; that relation is a specific case of a general law which applies the (*) divergence operator to the electric field to give the distribution of this quantity. Robert Millikan demonstrated that this property is quantised in his 1909 oil drop experiment. In most equations this quantity is depicted by a lowercase letter "q", and the rate of this quantity's movement over time is denoted by capital "I", the current. For ten points, name this physical property of matter which can be positive or negative and is measured in the SI derived unit of the Coulomb.

ANSWER: Electric **charge**

<RC>

BS3. Descriptive answers only here, as these bonuses are on people throughout history whose identity remains unknown. For 10 points each:

[10] Stuart Franklin, Terril Jones and Jeff Widener are among photographers who took pictures of this person; Widener's shot, by some way the best known, was nominated for a Pulitzer Prize in 1990.

ANSWER: **Tank Man** (or **Unknown Protester**, **Unknown Rebel** or any reasonable equivalent of **the guy who stood in front of the tanks during the Tiananmen protests in 1989**)

[10] Coleridge's poem *Kubla Khan* remains unfinished because its composition was allegedly interrupted by this unidentified person. This man who bothered the poet with some small business matter is only known by his place of provenance.

ANSWER: **The man** (or **person**) **from Porlock**

[10] Babushka Lady, Umbrella Man, Badge Man and the Three Tramps are mysterious figures whose true identities are unknown or disputed and are all associated with this 20th century event, which was documented on the Zapruder [ZAP-ru-dah] film.

ANSWER: **Assassination of JFK** (accept clear equivalents)

<PA>

TU4. During a conflict in this province, the *SS Colvile [COL-vill]* transported participants from such places as Berens River. Edith Hancock was an organiser of a 1919 strike in this province which was eventually dispersed by the NWP. In 1942, officials in this province tested the readiness of residents of its largest city by launching a simulated German invasion on "What If" day. A crisis over parochial (*) language education in this province was resolved by Wilfried Laurier, known as its namesake "Schools Question." Garnet Wolseley led an 1870 expedition to this province to catch a Métis leader who launched the Red River Rebellion in 1869; that leader was Louis Riel. This province borders Saskatchewan to the west. For 10 points, name this first of the Canadian Prairie Provinces to be admitted, with its capital at Winnipeg.

ANSWER: **Manitoba**

<ZF>

BS4. The old quote is that you only live twice. A handful of people bear this out - for 10 points, answer some questions on erroneous obituaries.

[10] In 1999 this folk musician's obituary was wrongly published in the *Telegraph*, prompting him to joke "It's not the first time I've died in Coventry". He played the fiddle in Fairport Convention from 1969 until they disbanded in 1979.

ANSWER: Dave **Swarbrick**

[10] Robert Graves was so badly wounded during this World War One battle, fought between July and November 1916 and notorious for its death count, that he was officially reported as having died in action.

ANSWER: Battle of the **Somme**

[10] Even Twitter isn't immune from this. Upon Margaret Thatcher's death, reports of this singer's death spread due to the hashtag used to report on Thatcher accidentally implying that this singer had passed instead.

ANSWER: **Cher** (the hashtag was #nowthatchersdead, misread as "now that Cher's dead")

<RJ>

TU5. In 2014, the Greek government issued a statement that “the Greek people have a right to know whether [Alexis] Tsipras” was one of these people. In 2007, Pete Stark became the first US Congressman to openly declare himself one of these people, in a response to an SCA questionnaire. One group of these people uses a logo known as the “atomic whirl”. According to one aphorism from the 1940s, there are none of these people in (*) foxholes. Anaxagoras [an-ax-AG-or-as] was exiled for being one of these people, including by claiming that the Sun was “an incandescent stone”, and a modern device used by these people to support their beliefs is the Invisible Pink Unicorn, as its existence cannot be disproved. For 10 points, identify this religious group, who deny or do not believe in any gods.

ANSWER: **Atheists** [accept **atheism**, accept descriptive answers about **not believing in god(s)** before the last sentence]

<EBL>

BS5. Written by comedian Hari Kondabolu, this documentary sees Kondabolu interview actors and comedians of South Asian heritage about the impact of *The Simpsons* on their childhood and racially-motivated abuse they received. For 10 points each:

[10] Identify this documentary. It explores the negative stereotypes propagated and disseminated through the character of an Indian immigrant to the United States who owns a convenience store.

ANSWER: *The **Problem With Apu*** [do not accept or prompt on anything that isn't exact, such as "The Problem OF Apu" or similar]

[10] This actor bluntly states in the documentary that hating Apu as a character led to him hating *The Simpsons* entirely. Best known for playing Kumar in the *Harold and Kumar* series of films, this actor also left the TV series *House* to take a role within the Obama administration.

ANSWER: Kal **Penn** [accept Kalpen **Modi**]

[10] Elsewhere in the documentary, this other actor of Indian descent - the star and creator of the TV series *Master of None* - describes being in a car with his father and having a stranger drive up to them, asking where to find the Kwik-E-Mart.

ANSWER: Aziz **Ansari**

<RJ>

TU6. One mythical figure of this kind killed the personification of cholera with a self-swinging sword, and another is referred to as the “wielder of the upper and lower millstone”. As well as Tlepsh and Ninagal, another figure of this kind is tricked into climbing a tree to collect moonlight and then blown down to the underworld, where he falls in love with the Maiden of Pohjola [po-YO-la], but after she refuses to leave her home, he creates a new wife out of (*) gold. One figure of this kind is hamstrung and trapped on an island, but builds a winged cloak to fly away, and also made Beowulf's shirt of mail. Including such figures as Ilmarinen [ILL-ma-RIN-en] and Wayland, for 10 points, name this role, performed by the Roman Vulcan and the Greek Hephaistos.

ANSWER: Blacksmith deities [accept clear equivalents such as anything about **forging, metalworking** or gods of **metal**, prompt on crafts or craftsman deities, prompt on Tlepsh, Ninagal, Ilmarinen, or Wayland before read]

<EBL>

BS6. Moderator, read this as written: The bonus set preamble here says I should sit here silently for 10 seconds and then start on the bonuses, because they're all about silent characters. I'm not doing that. For 10 points each:

[10] In the 2006 game *Ōkami*, a character named Issun accompanies and does the talking for this protagonist, who takes the form of a white wolf and is named for the sun goddess of the Shinto religion.

ANSWER: **Amaterasu** [am-at-er-AH-su]

[10] Claude is the silent protagonist of this sandbox game; in a later game in the series, Claude appears in a cameo, where he is still silent and described as "That mute asshole! That fucking snake without a tongue!"

ANSWER: **Grand Theft Auto 3** [prompt on GTA alone.]

[10] The player character in *Five Nights At Freddy's* is also silent, even when the eponymous Freddy appears and plays a music-box version of this piece of classical music before killing him.

ANSWER: The **Toreador** song from *Carmen* [accept **Votre toast, je peux vous le rendre** which is the full title of the aria.]

<RJ>

TU7. **This author wrote in their letters they were "a man's soul by some freak of nature put in a woman's body", suggesting they may have been trans. In one of this author's works, the discovery of a character living in squalor in a damp cellar leads to Robin going to buy cough syrup and liniment; that novel by this author is about the lives of students at a school headed by a German immigrant. This author opens a different novel with the central family providing breakfast to the destitute (*) Hummel family. This author's characters attend parties hosted by the wealthy Annie Moffat; one marries Mr. Bhaer after turning down Laurie Laurence and another dies of scarlet fever. For 10 points, Beth, Amy, Meg, and Jo are the March sisters in what author's *Little Women*?**

ANSWER: Louisa May **Alcott**

<ZF>

BS7. Your grad adviser asks you for some clotted cream for Christmas. You are broke, but thankfully you are a Chemistry PhD researching catalases. For 10 points each:

[10] You first note that clotted cream is this type of colloid where both components are liquids.

ANSWER: **Emulsion**

[10] Because you don't trust the tap water, you add in this compound that is used to treat wastewater. You remember from third year that mixing this compound with iron sulphate creates Fenton's reagent, which oxidises contaminants.

ANSWER: **Hydrogen Peroxide** (or **H2O2** or **peroxol**)

[10] Oh no! You poured in too much hydrogen peroxide. Thankfully you can use an iodide of this element to create Elephant's Toothpaste. This element's phthalimide [ff-THAL-im-ide] is used as a catalyst to transform alkyl [AL-kyle] halides into amines in the Gabriel synthesis.

ANSWER: **Potassium** (or **K**)

<ZF>

TU8. **In *Twelfth Night*, this occurrence is used by Fabian as a metaphor for what might happen to Malvolio if he pursues Olivia, referencing a real incident in 1596, while *Macbeth's* Witches add to their brew a body part lost in this occurrence. William Strachey's eyewitness account of this occurrence in 1609 is one source for a play of 1611, and another play dated to 1611 sees this occurrence happen to Antigonus [an-TIG-on-us] (*) before he is eaten by a bear. This occurrence is the**

ultimate reason why Antonio of Venice is indebted to Shylock, and Pericles is twice the victim of this type of accident. For ten points, the twins in *The Comedy of Errors* and *Twelfth Night* are each separated during what kind of maritime disaster?

ANSWER: **shipwrecks** (accept **lost at sea** or **frozen to death** or descriptions before "Macbeth"; accept nothing else afterward)

<MR>

BS8. A tunnel under this area was the most expensive road per mile ever built in the UK. For 10 points each:

[10] Name this area whose Causeway was the original location of London's Chinatown. This area's name was used as a verb in the early 20th century, after David Lloyd George gave a speech there attacking the House of Lords.

ANSWER: **Limehouse** [accept **Limehouse Link**]

[10] Limehouse's historic pubs include *The Grapes*, which is part-owned by *London Evening Standard* owner Evgeny Lebedev and this actor, who sometimes hosts their pub quiz.

ANSWER: Sir Ian **McKellen**

[10] This final MP for the constituency of Limehouse before its 1950 abolition may be better known for his six-year spell as Prime Minister from 1945-51.

ANSWER: Clement **Attlee**, 1st Earl Attlee

TU9. **A Bluetick Coonhound named Smokey is a mascot of a university in this state, and leads that university's football team onto the field before games. Rejecting Ole Miss, Peyton Manning played college football in this state's flagship university, whose teams are nicknamed Volunteers after a nickname for this state. Before the 2023 season, this state's NFL team published a schedule reveal video showing fans (*) incorrectly identifying the logos of other NFL teams as Chester Cheeto and Lightning McQueen. This state's NFL team is the only one to have two players rush for 2,000 yards in a season - Chris Johnson and Derrick Henry. For 10 points, the Memphis Grizzlies, the Nashville Predators and the Titans are all Big Four sports teams playing in which US state?**

ANSWER: **Tennessee**

<ZF>

BS9. The artwork *Untitled (Portrait of Ross in L.A.)* is partly composed of this material. For 10 points each:

[10] For a readymade entitled *Why Not Sneeze, Rose Selavy [SAY-la-VEE]?*, Marcel Duchamp used white marble to trick viewers into believing a birdcage was full of this stuff.

ANSWER: **Sugar** cubes

[10] In 2014, this American artist created *A Subtlety*, a sculpture in sugar that depicted a woman with African features in the shape and position of a sphinx. *The Emancipation Approximation* is one of this artist's many silhouettes.

ANSWER: Kara **Walker**

[10] A Guardian reader's review of Rachel Whiteread's work *Embankment* compared the 14,000 white plastic boxes to sugar cubes. *Embankment* was exhibited in this large space, part of the Tate Modern.

ANSWER: The **Turbine Hall**

<RJ>

TU10. **The frame narrative of Emily and Jeff appears in *Judith*, a 2009 videogame based on this story. A song based on this story contrasts "a princess of India" with "a princess of Kentucky"; that song is *Go Long* by Joanna Newsom. In a novel of this name, an Armenian-American abstract expressionist artist nails a potato barn shut; that artist is (*) Rabo Karabekian. A Pina Bausch piece of this name was inspired by a Bartók opera, and a story based on this folktale titles an Angela Carter collection. In this folktale, possibly inspired by Gilles de Rais, a newlywed woman fails to wash the blood**

from a magical key. For ten points, identify this French folktale, named for a wealthy nobleman and serial killer who is revealed to have murdered many of his past wives.

ANSWER: **Bluebeard** (or **Barbe Bleue**)

<MB>

BS10. After seeing them made in an oven, a character from this region shows his wife how to make chips by frying them. For 10 points each:

[10] Name this transnational region that is the home of Hortense and Michael Roberts in Andrea Levy's novel *Small Island*. Immigrants from this transnational region came to the UK in the 1950s and 60s and were known as the "Windrush Generation."

ANSWER: The **Caribbean** (or **West Indies**; Directed prompt on specific countries like Jamaica with "what larger region is that a part of?")

[10] Seven Seas and Major Plunkett frequently visit the No Pain Cafe in this 1990 epic poem by a Saint Lucian author. In this retelling of the *Iliad*, the fisherman Achille pursues the pregnant Helen.

ANSWER: **Omeros** [by Derek Walcott]

[10] Lake Ontario has been completely drained in this magical realist novel by Jamaican-Canadian author Nalo Hopkinson. In this novel, Ti-Jeanne dreams of obeah [OH-bi-a] women telling her that her unborn child will be eaten by a soucriant [sou-cri-ON].

ANSWER: **Brown Girl in the Ring**

<ZF>

TU11. **Jessie Duarte defended a member of this family in a speech at that person's memorial service, telling critics to "Sit down and shut up". One member of this family falsely accused Methodist minister Paul Verryn of sodomy. That member of this family paraded around with a group of football hooligans in places like Munsieville that committed an atrocity known as (*) "necklacing."** *Part of My Soul Went With Him* is a book by that member of this family whose patriarch ordered the creation of the Truth and Reconciliation Commission as he took power. That member of this family succeeded Oliver Tambo in 1991 as the head of the ANC. For 10 points, name this family whose members Winnie and Nelson ended the Apartheid era when they took power in South Africa.

ANSWER: **Mandela** family [Accept **Madikizela** before "patriarch" as that is the maiden name of Winnie Mandela]

<ZF>

BS11. This bonus set is a travesty! For 10 points each:

[10] This item of clothing names a role in theatre and opera where a male character is played by a female performer or singer, and is also known by the theatrical term "travesti".

ANSWER: **Breeches** (accept **pants** or **trousers** or **Hosen**)

[10] Ratmir, a prince of the Khazars, is a breeches role in this opera by Mikhail Glinka. Based on a Pushkin poem, the libretto for this opera was meant to be written by Pushkin but he was killed in a duel first.

ANSWER: **Ruslan and Lyudmila**

[10] This French composer's works contain a large number of breeches roles, such as the dragoon captain Fortunato in *Madame L'Archiduc*, the title character in *Orpheus in the Underworld*, and Daphnis in the one-act operetta *Daphnis et Chloé*.

ANSWER: Jacques **Offenbach**

<RJ>

TU12. **Jay-Z says "You tell 'em, capiche" after being offered this in *Can't Knock The Hustle*, while MGMT tell the listener to man the island, the elegant cars and this thing in *Time to Pretend*. System of a Down covered a song by Black Sabbath about this thing, whose title was the original name for Black Sabbath's album Vol 4 - that song was (*) Snowblind.** A Melle [MELL-ee] Mel song about this thing was drunkenly sung by Simon Pegg and Nick Frost's characters in *Shaun of the Dead*. Lyrics from an

Eric Clapton song about this thing include "If you want to hang out, you've gotta take her out" and "If you want to get down, down on the ground". For 10 points, what illegal substance, normally a white powder, is the subject of the song *White Lines*?

ANSWER: **Cocaine** [accept **crack cocaine**; anti-prompt on **crack** by itself; prompt on **drugs** by asking "Which drug?"]

<AL>

BS12. This author was painted by their brother in an 1835 piece known as the Pillar Portrait. For ten points each:

[10] This author's poems include *Remembrance*, often known by its first line "Cold in the earth, and the deep snow piled above thee." The later poem "No coward soul is mine" was described by this writer's older sister as "the last words my sister ever wrote".

ANSWER: **Emily Bronte** (prompt on just **Bronte**)

[10] "Cold in the earth", like much of Bronte's poetry, is narrated by a character in this fantastical island setting, which Emily and Anne created as teenagers and which Emily continued to revisit in her poetry throughout her life.

ANSWER: **Gondal**

[10] Gondal and an earlier shared world, Angria, both descended from an earlier imagined "Confederacy" of four islands each with a capital of this name. This capital also completes the title of the 2017 fantasy novel *The <blank> Game* by Catherynne Valente, inspired by the Brontes' work.

ANSWER: **Glasstown**

<MR>

TU13. A 2020 article in *The Opiate* magazine has the title "We Are All <this character> Now", using this character as a metaphor for life under lockdown. This character is the subject of a Haruki Murakami short story in the collection *Men With Women*, in which he encounters a locksmith with a hunchback. In *The Producers*, while searching for the worst play ever written, Max Bialystock [bi-AL-i-stok] reads the (*) opening of the work in which this character first appeared, throwing it angrily aside as it is too good. In a rage, this character's father throws apples at him, one of which lodges in his back and remains there until he dies of starvation. For 10 points, what character wakes from uneasy dreams to discover he has become a giant insect in Franz Kafka's novella *The Metamorphosis*?

ANSWER: **Gregor Samsa** (accept either)

<RJ>

BS13. Despite what Andre 3000 says, you should not shake things like a Polaroid picture, least of all crystals. For 10 points each, answer some questions on vibrations in crystals:

[10] This word is used for the regular arrangement of particles that make up a crystal. The French scientist Auguste Bravais names a type of these things used in crystallography.

ANSWER: **Lattice**

[10] A type of quasiparticle, this term is used for the quantised vibrations of a periodic lattice in a crystal structure.

ANSWER: **Phonon**

[10] The phonon structure determines the lattice heat capacity of a crystal, which can be estimated using this eponymous model. This model is a solid-state version of Planck's law, and predicts that the heat capacity is proportional to T cubed for low values of temperature T.

ANSWER: **Debye** model [de-BY]

<RC>

TU14. The Hammersley-Clifford theorem states that Markov random fields correspond to distributions named after this person. An error term which causes ringing artefacts in a Fourier series is a constant named after this person and Henry Wilbraham. This person's work inspired

James Clerk Maxwell to build a clay sculpture of a surface in (*) U-V-S coordinates. Failing to consider that particles are indistinguishable yields a non-extensive expression for the entropy of an ideal gas; they're not Boltzmann, but that derivation is a 'paradox' named after this founder of statistical mechanics. A quantity named after this person is minimised at chemical equilibrium and can be defined as enthalpy [ENTH-al-py] minus the product of temperature and entropy. For ten points, name this American scientist who names both an equation with Duhem [du-EM] and a type of free energy.

ANSWER: Josiah Willard Gibbs

<MB>

BS14. During an interview with Woman's Hour, this person said "Thatcher was the motivation for my entire political career. I hated everything she stood for". For 10 points each:

[10] Until resigning in March 2023, this person was leader of the Scottish National Party and the First Minister of Scotland.

ANSWER: Nicola Sturgeon

[10] Sturgeon's first ministerial position was this role in the cabinet of Alex Salmond. Steve Barclay holds an equivalent position in Westminster.

ANSWER: Health Secretary (accept any reasonable answers including Health)

[10] Sturgeon still serves as an MSP for this constituency of the Scottish Parliament, which was created in 2011 when the earlier constituency of Glasgow Govan [GUV-an] was abolished.

ANSWER: Glasgow Southside (do not accept "Glasgow South")

<RJ>

TU15. **The Italian company Parmalat's bankruptcy came after the 3.9 billion Euros it claimed to have made by selling this substance to Cuba turned out not to exist. This substance is dissolved in tris-buffered saline to form Thermofisher's Blotto buffer. It's not salmon sperm or BSA, but this substance is the most common source of blocking proteins in ELISA assays. In Indian cuisine, this substance is used as an alternative to (*)** khoya to make sweets like gulab jamun. In 2008, 54,000 Chinese babies were hospitalised after Sanlu Group added melamine to this substance to boost its apparent protein content. Made by drying a certain product beyond "evaporated" and "condensed" stages, for 10 points, name this solid dairy product found in baby formula.

ANSWER: Milk powder (accept infant formula or baby formula before mention)

BS15. One version of the epic centering on this character portrays him as ugly, snotty and troublesome until he reaches adolescence. Any resemblance to your QM is purely coincidental. For 10 points each:

[10] This character is the protagonist of the national epic of Tibet, although it is shared more widely with other Central Asian nations.

ANSWER: King Gesar [GEZ-er]

[10] At one point, Gesar wins the hand in marriage of 'Brugmo after being victorious in one of these events. A dozen animals take part in one of these events in probably the best-known tale of Chinese mythology.

ANSWER: Horse race (accept descriptions)

[10] The circumstances of Gesar's birth differ from version to version - in one telling he was born without a father, when one of this race of mythical beings was impregnated. More commonly associated with South Asian myth, these beings are half-human and half-serpent.

ANSWER: Naga (accept Nagi or Nagini)

<RJ>

TU16. **One previous holder of this position was quoted as saying he "couldn't take this 4/4 shit" and later disappeared during a tour of Japan, while another died during a performance on the Isle of Lucy, leaving behind a "little green globule". The first person to hold this position died in a**

bizarre (*) gardening accident that authorities were quoted as saying was "best left unsolved". The difficulty of establishing an exact cause of death for another holder of this position was remarked upon by a fellow band member, who stated "You can't really dust for vomit". For 10 points, Derek Smalls, David St. Hubbins and Nigel Tufnel have been bandmates of people in what musical position with an extremely high rate of turnover?

ANSWER: The **drummer** from **Spinal Tap** [accept similar answers; prompt on member of Spinal Tap or drummers, they need both parts; do not accept names of individual drummers so I don't have to list them all]

<RJ>

BS16. It is necessary that you answer these bonus questions. For ten points each:

[10] Name this field of logic that uses its namesake operators to make statements about necessity and possibility.

ANSWER: **Modal** logic

[10] Modal logic denotes the necessity operator by this symbol. The Barcan formula commutes this symbol past a universal quantifier.

ANSWER: **Box** (this is the standard name - accept **square** all the same)

[10] Kripke semantics for modal logic employs this relation between possible worlds, wherein X is related to Y if and only if Y is possible given the information of X.

ANSWER: **Accessibility** relation

<MB>

TU17. A dubstep remix of part of this piece was presented on Twitter as the most popular song of the 1770s, although it had been composed around 50 years prior. Thomas Tomkins wrote an earlier setting of the text used in this piece, though his music does not survive, while Henry Lawes wrote a 1661 work with the same title as this piece. This piece was adapted by (*) Tony Britten to be used as a pan-European anthem. The lyrics of this piece are derived from the Biblical book 1 Kings, which describes the anointing of Solomon as King, and appropriately, this piece has been sung at the coronation of every British monarch since its composition in 1727. For 10 points, George Frideric Handel composed what piece for the coronation of George II, named after a high priest of Israel?

ANSWER: **Zadok the Priest** (do not accept "the Champions League anthem", they're not the same thing no matter how similar they sound; that is the piece Tony Britten rearranged)

<RJ>

BS17. These bonuses are on the logistics and preparations for D-Day. For ten points each.

[10] A few days before the landings, British engineers scouted the Normandy coast with submarines as part of Operation Gambit and returned with valuable samples of this substance.

ANSWER: **Sand** (accept **silica**)

[10] The iconic landing crafts used during D-Day were designed by this American engineer. Eisenhower claimed that this man "was the man who had won the war for us."

ANSWER: Andrew **Higgins**

[10] Operation Glimmer and Operation Taxable were deception operations used to fool this technology that the Germans relied on to see approaching enemy vessels.

ANSWER: **Radar**

<PA>

TU18. An account from Peter Mundy states that there was originally a gold rail around a false sarcophagus in this building, which was later replaced with a marble jali screen to deter theft. This building's Great Gate is inscribed with calligraphy translating as "O Soul, thou art at rest. Return to the Lord at peace with Him, and He at peace with you". This building's mausoleum has a reverberation time of (*) 28 seconds, so that prayers conducted by the hafiz from the Quran would

linger as long as possible. According to legend, a structure identical to this building but constructed out of black marble was intended to be Shah Jahan's own mausoleum, but was never built. For 10 points, what white marble tomb stands on the banks of the river Yamuna in the Indian city of Agra?

ANSWER: **Taj Mahal**

<RJ>

BS18. In the title essay from his collection, this author rechristened the MV Zenith as the MV Nadir to reflect how uncomfortable he felt with the experience. For 10 points each:

[10] This author described a seven-day cruise around the Caribbean as *A Supposedly Fun Thing I'll Never Do Again* in his essay collection of the same name, published the year after *Infinite Jest*.

ANSWER: David Foster **Wallace** (accept **DFW**)

[10] In the essay *Getting Away from Already Being Pretty Much Away from It All*, Wallace discusses the 1993 iteration of this event held in Illinois. A sculpture of a cow made from butter is a symbol of one of these events, held annually in Iowa.

ANSWER: **State fair** (prompt on **fair** by itself)

[10] Those essays, as well as *Derivative Sport in Tornado Alley*, were originally published in this monthly magazine, the oldest continuously published magazine in the United States.

ANSWER: **Harper's Magazine** (do not accept or prompt on "*Harper's Bazaar*" or "*Harper's Weekly*" - three different publications)

<RJ>

TU19. **Writing in *Giving Up The Gun*, Noel Perrin argued this government was proto-environmentalist due to their decision to abandon a "weapon of mass destruction". Merchant ships sent to neighbouring ports by this government were known as "red seal ships" after their sealed letters of patent. Officials of this government killed Andre Pessoa in the *Madre de Deus* incident. Shortly after taking power, this government requested the aid of the gunsmith Nicholaes [NICK-o-laas] Couckebacker [KER-ke-BACK-er] to put down a rebellion of Catholics in the (*) Shimabara Rebellion. This government, which received so-called "Dutch Learning" from Europe, started an isolationist policy of *sakoku* after it took power from the Toyotomi clan. For 10 points, name this Japanese shogunate which ruled from 1603 to 1867 and was founded by its head, Ieyasu [ee-ay-AH-su].**
ANSWER: **Tokugawa** Shogunate [or **Edo** government or **Tokugawa Bakufu**; Directed prompt on **Japan** or **shogunate** with "Which Japanese shogunate ruled at the time?"]

<ZF>

BS19. Groups accused of worshipping this figure include the Knights Templar, English witches, and the drivers of the French Revolution. For 10 points each:

[10] Name this adversarial figure from the Bible. Modern religious or pseudoreligious groups named for this figure include his namesake Church and Temple, who often represent him as Baphomet [ba-FO-met].

ANSWER: **Satan** [accept the **Devil**, **Lucifer**, **Shaytan**, or **Beelzebub**]

[10] Another person accused of Devil worship, Aleister Crowley's occult beliefs were more centred on this other Biblical figure, a sacred whore archetype from the Book of Revelation (although he spelt it differently).

ANSWER: **Babalón** [accept the **Scarlet Woman**, **Great Mother**, **Mother of Abominations**, the **Whore of Babylon**, or Mystery, **Babylon the Great**, the Mother of Harlots and Abominations of the Earth, if teams are feeling spicy]

[10] Due to his position as leader of God's angels, the Yazidi figure of Tawusi Melek is often identified with Satan - however, as his name suggests, he is usually just symbolised as this sacred bird.

ANSWER: **peacock** [prompt on **Tawusi** unless players' first language is actually Kurdish]

<EBL>

TU20. **An experiment investigating language use by this group of people centred on their reactions to Vincent, a rabbit smuggled in by the experimenter. Relational frame theory emerged from studies of these people's language, while the competing social interactionism theory derived from studies of these people interacting with the majority group. Jean (*) Berko Gleason investigated these people's ability to internalise grammatical rules using the Wug Test. People outside this group interacting with people within it tend to hyperarticulate their vowels and use higher and more varied speech pitches, a pattern known as CDS, or <these people> directed speech. The critical period hypothesis says in part that people who have moved out of this group find it harder to learn language than those still in it. For ten points, name this stage of life, in which almost everyone learns their first language.**
ANSWER: school **children** (accept **childhood** after "For ten points", antiprompt on **infants**, **babies**, **teenagers** or any other specific group of children with "who are what kind of people?")

<MR>

BS20. In *The Life Aquatic with Steve Zissou*, this woman played Antonia Cook, who appears wearing one of her characteristically unusual hats. For 10 points each, answer some questions on a figure in fashion.
[10] This woman was the muse of milliner Philip Treacy, who described her as the "biggest inspiration" of his life. Treacy made this woman a hat for her second wedding, and she later invited him to live with her and her new husband.

ANSWER: Isabella **Blow**

[10] In 1992, Blow bought the collection *Jack the Ripper Stalks His Victims*, created by this fashion designer, and helped him to secure professional contacts. This designer's love of shock tactics led to him being known as "the hooligan of English fashion" and an *enfant terrible*.

ANSWER: Alexander **McQueen**

[10] While working at Vogue, Blow discovered this model, describing her rather crassly as "a blow-up doll with brains". A perfume advertisement featuring this model naked was among the ten adverts most complained about in a 2012 survey.

ANSWER: Sophie **Dahl**

<RJ>

Tiebreaker

A hitch knot with this name is also known as the Alpine Clutch. A doctor commented that the circumstances of death of a person with this surname fit better with glioblastoma than its reported cause. A body of water with this name was divided between France and Austria by the Treaty of Campoformio. Two people with this job title blew the whistle in 2014 on a scandal that ended in the resignation of a Minister for Justice and two police commissioners. A person with this surname was involved in an unrelated scandal in 2023 that led to the closure of a YouTube channel. This word names the largest lake in Italy, and in Ireland refers to a police officer. For ten points, give the pseudonymous surname of not-actually-dead *University Challenge* YouTuber Dave.

ANSWER: **Garda** (accept **gardai**)

<MR>