

### Tossups

0. A song whose title contains this number samples a quote from *Altered States*, “I feel like my heart has been touched by Christ.” A character on an album that consists of this many songs cries “This is for Holland-Dozier-Holland” after shooting Ferdinand de Saussure. A Ministry song with this number in the title ends shortly after someone says “The way to succeed and the way to suck eggs.” Another song whose title contains this number describes how “Jimmy quit, Jody got married.” A (\*) triple album by The Magnetic Fields contains this many songs in total. A song whose title contains this number begins “I got my first real six-string / Bought it at the five-and-dime.” For 10 points, give this number found in the title of a Bryan Adams hit.

ANSWER: sixty-nine [the musical works referenced are “Psalm 69,” *69 Love Songs*, and “Summer of ‘69”] <KG>

1. A musician who primarily played this instrument developed a tune he nervously whistled while waiting for his first plane ride into the song “Flying Home.” Tal Farlow and Charles Mingus joined the “trio” of a bandleader who played this instrument, Red Norvo. One player of this instrument referenced the nickname he got for being perpetually sleepless in the title of his standard “Bags’ Groove.” Milt Jackson, a member of the Modern Jazz Quartet, played this instrument, as did (\*) Lionel Hampton. Gary Burton promoted the “four-mallet” style of playing this instrument as an alternative to the “two-mallet” style. This instrument has a bunch of fans that can rapidly open and close the tubular resonators underneath, creating an undulating pitch. For 10 points, name this percussion instrument with tuned metal bars, named for its ability to pulsate.

ANSWER: vibraphone [or vibes; or vibraharp] <AG>

2. A candidate in this country’s legislative elections has been blocked from visiting the Coco Islands, even though he represents those islands. This country’s constitution dictates that up to a quarter of its legislature can be reserved for representatives from the *tatmadaw*. Because of her marriage to Michael Aris, the winner of this country’s 2015 election is constitutionally barred from holding the presidency. Many (\*) Muslim refugees from this country currently live in a neighboring country’s Cox’s Bazar. This country still withholds the right to vote from that minority, the Rohingya. Thein Sein’s USDP is set to transfer power to this country’s National League for Democracy, which took 86% of legislative seats in a 2015 election. For 10 points, name this country where Aung San Suu Kyi won its first free elections since 1990.

ANSWER: Burma [or Republic of the Union of Myanmar] <KG>

3. The lifted condensation level is located at the intersection of two values for this quantity and the saturation level according to Normand’s rule. This quantity’s “wet bulb” form is the value it would have at saturation. A Fata Morgana is generated when light is refracted due to entering air with a different value of this quantity. Pollen studies and stratigraphic methods show a temporary increase in this quantity named for Allerød. That oscillation is an example of an (\*) interstadial, an increase in this quantity between two stadials. This quantity’s relation with altitude is flipped in an inversion-- that relation with altitude is described by the lapse rate. A rain shadow forms when rising air parcels drop their precipitation due to decreases in pressure and this quantity. Density, humidity, and this quantity differ across air masses separated by fronts. For 10 points, name this quantity which is constant along an isotherm.

ANSWER: temperature <AG>

4. A stone named for this deity’s sister can be found at the bottom of a stairway leading to a temple of his. This god ordered his people to abandon another sister, Malinalxochitl, causing her son Copil to raise an alliance against him, after which this god ordered Copil’s heart thrown in a lake. This god was served by the

quail-loving Paynal and used a Xiuhcoatl, or fire serpent, as a weapon. This god created the (\*) moon after beheading his sister Coyolxauhqui along with many of his 400 brothers after they tried to attack his mother. Along with Tlaloc, this god is a dedicatee of the Templo Mayor, and he was born after Coatlicue was impregnated by a ball of feathers. For 10 points, name this patron of Tenochtitlan, an Aztec god of war and the sun who is often shown as a hummingbird.

ANSWER: Huitzilopochtli <SD>

5. A character from this collection insists that “Lux upon Lux” was Pope Leo XIII’s motto. At the end of that story from this collection, the protagonist refuses to light the candles at a church service. In another story from this collection, only two people show up for a planned expedition to the Pigeon House, and agree to use the code names “Smith” and “Murphy” when talking to a man who goes on about Lord Lytton novels and launches into a diatribe about how any boy who talks to a girl should be (\*) whipped. The protagonist of another story from this collection awkwardly asks Lily about her love life, is accused of lacking patriotism by his dance partner Miss Ivors, and learns that Michael Furey had sung “The Lass of Aughrim” to his wife Greta in her youth. For 10 points, name this collection featuring “Grace,” “An Encounter,” and “The Dead,” by James Joyce.

ANSWER: Dubliners <AG>

6. This is the election in which the Libertarian Party received the highest percentage of the popular vote in U.S. history. This was the first election in which Angela Davis ran as the vice-presidential candidate for the Communist Party. A candidate for the Democratic nomination in this election gave an incoherent response to Roger Mudd’s question “Why do you want to be president?” That candidate was (\*) Ted Kennedy. The winner of this election controversially gave a campaign speech near the site where three civil rights workers were murdered in 1964. John Anderson ran as an independent in this election. The loser of this election had recently given a speech saying America was facing a “crisis of confidence,” and his popularity took a hit from the Iran hostage crisis. For 10 points, name this election in which Ronald Reagan defeated Jimmy Carter.

ANSWER: 1980 United States presidential election <WN>

7. Arthur Szyk is best known for illustrating this text in the style of an illuminated manuscript. This text emphasizes the phrases “with a strong hand and outstretched arm,” and “with signs and wonders.” Fifteen stanzas, each corresponding to a gift of God, make up the *Dayenu* song in this text. This text describes four sons -- one who is wise, one who is wicked, one who is simple, and one who does not know to ask. Variations of the inquiry “Why is this night different from all other nights?” make up the “four (\*) questions” that appear in this text, which contains a cumulative song about “One little goat,” known as *Chad Gadya*. According to this text, the third cup of wine is poured after the eating of the afikomen, hands must be washed after the opening kiddush, and the story of Exodus is related after breaking of the middle matzah. For 10 points, name this text that specifies the order of the Passover Seder.

ANSWER: Haggadah [or Haggadot] <AG>

8. One of these places was established by Paul IV through the papal bull *Cum nimis absurdum*. The common name for these places means “slag,” since the first one was established near a foundry. One of these places was the intended site of the Turtle Fountain and was established in the flood-prone Sant’Angelo district of Rome. In one of these places, the broken tip of an obelisk is engraved with the names of 51 people who committed mass suicide in a bunker at (\*) Mila 18. The ZOB led a revolt in one of these places, prompting Jürgen Stroop’s men to burn it down block by block. The original one of these places was founded in Venice, and one in Prague was legendarily defended by a golem. For 10 points, name these places, one of which in Warsaw was the site of a World War II-era uprising of Jews.

ANSWER: ghettos [prompt on “Jewish quarters”] <KG>

9. In Duchenne muscular dystrophy, several muscles in this organ are spared from the lack of dystrophin. An extracellular area within this organ known as Reinke's space is prone to edema. This structure's namesake "recurrent" nerve, a branch of the vagus nerve, innervates all of its intrinsic muscles except for one. The conical corniculate cartilage attaches to the apex of the arytenoid cartilage in this organ. This organ is supported by three paired and three unpaired cartilages; examples of the latter include the (\*) cricoid, which forms this organ's back part, and the thyroid, whose peculiar angle results in this organ's namesake "prominence," or Adam's apple. Twin infoldings of mucous membrane in this organ are separated by the glottis, and vibrate during phonation. For 10 points, name this organ that houses the vocal folds, colloquially called the voice box.

ANSWER: larynx [accept voice box before mentioned] <AG>

10. After killing a king who had shot his horse with a cannon, a character in this poem throws the cannon into the sea because it's a coward's weapon. In this poem, Melissa does everything she can to ensure that two lovers will marry, including foretelling all of the descendants they will have and rescuing one of them from a magical island where he has forgotten about his love thanks to the sorcery of (\*) Alcina. A character in this poem drinks from a magic fountain which makes him fall in love with a woman, who unfortunately drinks from another magic fountain which makes her hate him. The hippogriff-riding knight Astolfo travels in Elijah's chariot to the Moon to restore the sanity of this poem's title character after he goes mad with love for Angelica. For 10 points, name this epic poem by Ludovico Ariosto.

ANSWER: Orlando Furioso <WN>

11. A condition named for this thing is linked to the Cassandra complex in a book by Laurie Layton Schapira. Bracha Ettinger theorized a "borderspace" named after the Latin name for this thing in response to Freud's theory that the denial of this thing is necessary for ego development. In his theory of the hero's journey, Joseph Campbell identified Paradise and the belly of the whale with this thing. The ancient Greeks thought that many ailments were caused by a (\*) "wandering" version of this thing, which is the ultimate source of the term "hysteria." Karen Horney postulated a male counterpart to penis envy centered on this body part. For 10 points, name this part of the female reproductive system which people might feel an unconscious desire to return to.

ANSWER: womb [or uterus; prompt on "matrix"] <WN>

12. The Kirkendall effect occurs when this process happens at different rates between metals via the vacancy mechanism, and is explained by Darken's equations. This process was observed in solids for the first time in while W.C. Roberts-Austen was investigating gold and lead. The Boltzmann-Matano method is used to solve the one-dimensional case of a PDE concerning this process. This process is described by a proportionality constant equal to the product of Boltzmann's constant, temperature, and (\*) mobility, according to the Einstein relation. Flux generated by this process is proportional to concentration gradient. This process's namesake coefficient appears in Fick's laws. For 10 points, name this process where particles move from areas of high concentration to areas of low concentration.

ANSWER: diffusion <SD>

13. Changing a *modus ponens* to a *modus tollens* is sometimes called this philosopher's namesake "shift," a term coined by William Rowe. Like Hastings Rashdall, this philosopher advocated an ethical system called "ideal utilitarianism," according to which pleasure is not the only quality which should be maximized. This philosopher elucidated the paradox of analysis, which states that definitions cannot both be correct and informative. Statements such as "It's (\*) raining but I don't believe it's raining" illustrate his namesake paradox. This philosopher held up his right hand and said "Here is one hand" to prove the existence of an external world. He argued that the concept of "good" is indefinable in a book on ethics which argued against the "naturalistic fallacy." For 10 points, name this author of *Principia Ethica*.

ANSWER: G.E. Moore [or George Edward Moore] <WN>

14. In a novel written using this technique, Leon Delmont decides not to continue his affair with Cecile during a train ride from Paris to Rome. Quentin's visit to the Sutpen graveyard is described using this technique in *Absalom, Absalom!* The protagonist of another novel written using this technique wears his Ray-Bans to deal with the sobriety following his cocaine benders. This technique is used in Michel Butor's *La Modification*, as well in chapters focusing on a character who is directed by Mr. Cavedagna to a serial forger named (\*) Ernest Marana. A fact-checker for a posh New York City magazine is the protagonist of Jay McInerney's *Bright Lights, Big City*, which is written using this technique. The protagonist meets Ludmila and learns that he is reading *Outside the Town of Malbork* in the most famous novel to use this technique. For 10 points, name this narrative mode of Italo Calvino's *If on a winter's night a traveler*.

ANSWER: second-person narration <AG>

15. A version of this painting was stolen on the opening day of the Olympics by thieves who left a note saying "Thanks for the poor security." In 2012, Leon Black bought a version of this painting for \$119.9 million. It's not by Gauguin, but Robert Rosenblum hypothesized that a figure in this painting was inspired by a Peruvian mummy. The artist of this painting made four versions of it, all of which he gave a German title mentioning (\*) "nature." Along with a Madonna, this painting was stolen in 2004 from a museum dedicated to its artist. It has been proposed that the color of this painting's background was a result of the eruption of Krakatoa. This painting's central figure stands on a boardwalk in front of a red-orange sky. For 10 points, name this painting of a man with an agonized expression by Edvard Munch.

ANSWER: *The Scream* [or *The Scream of Nature*; or *Skrik*; or *Der Schrei der Natur*]

16. A coup in this country consisted of two planes dropping flyers with hand-pumps and brought Vicente Tosta to power. This country became home to the largest Peace Corps mission in the world in the early 1980s as part of president Roberto Suazo's program of economic development. Early in the 20th century, this country was home to a three-way economic showdown between the Vaccaro Brothers, Belorussian-born industrialist Sam Zemurray, and a company that operated a "Great White Fleet." The CIA-trained Battalion 316 terrorized this country. While taking refuge in this country, (\*) O. Henry coined the term "banana republic" to describe it. In 1970, this country was invaded by a smaller neighbor over tensions coinciding with a World Cup Qualifier. For 10 points, name this Central American country that fought the Soccer War with El Salvador.

ANSWER: Honduras [or Republic of Honduras; or Republica de Honduras] <AG>

*Note to moderator: When reading the first sentence, take a pause but don't read the word "pause" out loud.*

17. The second movement of one of these pieces by this composer begins with the muted first violins playing the following notes alternately lower and higher: F (pause) C-A (pause) F-C. The E-flat major "Larghetto" second movement of one of these pieces in C minor is in cut common time, and omits the trumpets and timpani. The E-flat major ninth of these pieces begins with the soloist interrupting the orchestra almost right away. The score of the D major penultimate one has huge chunks of the (\*) left hand of the solo part missing. A turbulent theme is sandwiched by a serene B-flat major one in the "Romanze" second movement of the twentieth of these pieces, one of only two in a minor key. They includes pieces nicknamed *Jeunhomme*, *Coronation*, and *Elvira Madigan*. For 10 points, name these twenty-seven pieces by Mozart, for a solo keyboard instrument and orchestra.

ANSWER: piano concertos by Wolfgang Amadeus Mozart [prompt on "Mozart concertos"; prompt on "Mozart pieces"; prompt on "piano concertos" until after "Mozart" is read, after which you can accept it] <AG>

18. One of this author's characters sticks a piece of paper to a doorframe with a knife and then shoots at it from across the street, missing it by half an inch. Another of his characters shows pictures of his lawyer son Michael and his dead daughter Carrie to a character who is sometimes addressed as "Stranger." A story by this author ends with a cowboy saying "I didn't do anythin', did I?" in response to the (\*) Easterner's

statement that “we, five of us” were responsible for the murder of a foreigner. In a story by this author, Scratchy Wilson decides not to shoot Jack Potter when he discovers he is newly married. In another of his stories, the Swede makes trouble during a card game in the title establishment. For 10 points, name this author of the short stories “The Bride Comes to Yellow Sky” and “The Blue Hotel,” as well as *The Red Badge of Courage*.

ANSWER: Stephen Crane <WN>

19. **The non-renormalization theorem and the background field method can show that a function with this name vanishes in  $N = 4$  super Yang Mills up to three loops. Experiments searching for a certain process named for this letter include KamLAND and COBRA and could provide evidence of Majorana fermions. The derivative of a coupling with respect to log of the energy scale defines a function named for this letter. (\*)**

Boltzmann factors equal  $e$  to the negative energy *times* this Greek letter, which denotes a quantity which is one over the temperature times Boltzmann’s constant. A decay named for this letter changes atomic number by 1. For 10 points, identify this letter which names a type of decay in which a proton emits a positron and neutrino to turn into a neutron.

ANSWER: beta <BM>

20. **An uprising based in this region was supported by Pius V’s bull *Regnans in Excelsis*, even though it wasn’t issued until the uprising was already over. A body governing this region was established by Edward IV and first headed by the future king Richard III, and was later re-established by Henry VIII. Some nobles from this region tried to replace Elizabeth I with Mary, Queen of Scots in a rising named for this region. A campaign in this region was carried out in retaliation for a (\*) rebellion that was sparked by the appointment of Robert de Comines, a non-Anglo-Saxon, as an earl. That campaign caused widespread famine in this region and involved destroying crops and villages during the winter of 1069 to 1070. This region was “harried” by William the Conqueror. For 10 points, name this geographic region of England immediately south of Scotland.**

ANSWER: Northern England [or the North] <WN>

Tiebreaker: **Gaxi Sonnim led this many smallpox gods called the Sonnimne to Korea from China. In a Korean creation myth, this is the number of contests that the deities Mireuk and Seokga engage in, ending with Mireuk transforming into a deer that is eaten by Seokga. Fu Xi is one of this many Sovereigns who appear in Chinese mythology alongside the Five Emperors. While Susanoo produced five men from her necklace, Amaterasu birthed this many women using Susanoo’s sword. Yuqing is a jade deity who is a member of a (\*) Taoist pantheon consisting of this many deities. In the final part of Izanagi’s purification, this many gods are created, including Susanoo. The mirror that drew Amaterasu out of her cave is one of this many sacred treasures of Japan. For 10 points, give this number of Pure Ones and number of gods Izanagi creates from his eyes and nose.**

ANSWER: three <SD>

MLK 2016: Amusing Subtitle

Packet 14

### Bonuses

1. The sentence “It is snowing” contains an instance of the expletive type of this category. For 10 points each:

[10] Name these words which stand in for nouns or noun phrases.

ANSWER: pronouns

[10] Many languages distinguish between more and less formal versions of second-person pronouns; that distinction is given this two-letter name.

ANSWER: T-V distinction

[10] In the Austronesian languages, pronouns, but not nouns, are marked for this grammatical number, which indicates exactly two entities. Ancient Greek had this number, as does Sanskrit.

ANSWER: dual number <WN>

2. In this author's most famous novel, the not-so-subtly named populist Mr. Slime takes donations to fund the Penny Bank and the Friendly Society, and ends up being a more tyrannical landlord than Mr. Creighton. For 10 points each:

[10] Name this Barbadian author who fictionalized his upbringing and emigration to England in novels like *Season of Adventure*, *The Emigrants*, and *In the Castle of My Skin*.

ANSWER: George Lamming

[10] This author described a statue of Josephine that towers over black Africans that feel no connection to her in his surrealist poem *Notebook of a Return to My Native Land*. This co-founder of Negritude was from Martinique.

ANSWER: Aime Cesaire [or Aime Fernand David Cesaire]

[10] Lamming's essay collection *The Pleasures of Exile* reinterprets this Shakespeare play, which Cesaire adapted from a postcolonial perspective in which Caliban is a black slave and Ariel a white master.

ANSWER: *The* Tempest [or *A* Tempest; or *Une* tempeste] <AG>

3. This composer satirized narratives about courtly love in his "Le voir dit," but played them more straight in songs like "Puis qu'en oubli" and "Douce dame jolie." For 10 points each:

[10] Name this medieval French *ars nova* composer best known for being the earliest single composer to set the Ordinary of the Mass.

ANSWER: Guillaume de Machaut [or Guillaume de Machault]

[10] Machaut helped develop the three *formes fixes* -- the rondeau, the ballade, and the virelai -- used in these lyrical French songs. *The Song of Roland* is an example of one *de geste* for which the music has not survived.

ANSWER: chansons

[10] Machaut's mass is dedicated to this two word concept in Christianity. A school of polyphonic composers led by Leonin and Perotin worked at an institution named for this Christian concept.

ANSWER: Notre Dame de Paris [or Nostre Dame; or Our Lady of Paris] <AG>

4. Name some American literary critics, for 10 points each.

[10] This woman wrote about her favorite poems in *Break, Blow, Burn*. She has criticized mainstream feminism and French post-structuralism, and wrote the book *Sexual Personae*.

ANSWER: Camille Paglia [or Camille Anna Paglia]

[10] This author defined literary criticism in his lecture "The Frontiers of Criticism," and some of his critical essays are collected in *The Sacred Wood*. His poetry includes "The Love Song of J. Alfred Prufrock" and *The Waste Land*.

ANSWER: T.S. Eliot [or Thomas Stearns Eliot]

[10] This critic for the *New York Times* is known for her harsh takedowns of established authors such as Norman Mailer, who called her a "one-woman kamikaze."

ANSWER: Michiko Kakutani <WN>

5. Judy Dater photographed this artist peeking at a nude Twinka Thiebaud behind a tree. For 10 points each:

[10] Name this photographer, known for photographs of plants, especially magnolias. In this artist's photograph *Triangles*, the title shapes are formed by a woman's nude body in close-up.

ANSWER: Imogen Cunningham

[10] The aforementioned Judy Dater photograph was taken in this national park. Ansel Adams took many photographs, including *Moon and Half Dome*, in this national park.

ANSWER: Yosemite

[10] Another member of Group f/64 was this photographer of *Nautilus* and *Pepper No. 30*. His future wife Charis Wilson modeled for his photograph *Nude (Charis, Santa Monica)*.

ANSWER: Edward **Weston** <WN>

6. A dispute over this region led to a king dismissing his cabinet during the 1920 Easter Crisis. For 10 points each:

[10] Name this region that was the subject of the 1852 London Protocol. Later, the British obtained Zanzibar in exchange for some islands that are now part of this region.

ANSWER: **Schleswig**-Holstein [prompt on “**Germany**,” “**Deutschland**,” or “**Prussia**”]

[10] This king was caught up in the 1920 Easter Crisis over reunification with Schleswig. Despite foreign occupation during World War II, he still rode on his horse through his capital every day.

ANSWER: **Christian X** [of Denmark]

[10] During an incident named for one of these things, Hitler withdrew German ambassadors from Denmark after he perceived Christian X as ungrateful for his birthday gift. Another of these things promised to aid Mexico in recapturing parts of the southwest U.S.

ANSWER: **telegrams** <KG>

7. Answer some questions about the good old Arndt-Eistert reaction, for 10 points each:

[10] The Arndt-Eistert reaction is one of these reactions named for the fact that they extend a carbon chain, usually by a CH<sub>2</sub>, to create the next member of a namesake kind of series. Seyferth and Gilbert name one example.

ANSWER: **homologation** reactions

[10] An important step in the Arndt-Eistert reaction is a rearrangement of a diazoketone to a ketene, an example of a reaction named for this man, the alphabetically-second namesake of a reduction with hydrazine that gives off N<sub>2</sub>.

ANSWER: Ludwig **Wolff**

[10] The Arndt-Eistert reaction acts on one of these functional groups that have a carbonyl bound to a hydroxyl, and which are thus written as COOH.

ANSWER: **carboxylic acids** <SD>

8. Answer some questions about Americans who went to Latin America, for 10 points each:

[10] This group is descended from Southerners who chose to leave the US and emigrate to Brazil following the end of the Civil War rather than live through Reconstruction.

ANSWER: **Confederados**

[10] This filibuster was able to seize rule of Nicaragua with the help of C. K. Garrison and Charles Morgan, but later had to surrender to Charles Henry Davis.

ANSWER: William **Walker**

[10] This outlaw who was the leader of the Wild Bunch fled to Argentina and then Brazil, where he was killed in a shootout alongside his friend the Sundance Kid.

ANSWER: Butch **Cassidy** [accept Robert Leroy **Parker**] <SD>

*Note to moderator: Do not reveal the promptable answer for the first part.*

9. Wedding ceremonies called *Anand Karaj* take place in these buildings. For 10 points each:

[10] Name these places of worship, many of which host courses where you can learn about the Gurmukhi script.

ANSWER: **gurdwaras** [prompt on answers like “**Sikh** places of worship”]

[10] Gurdwaras are the places of worship in this religion, whose members follow the Five Ks, including wearing uncut hair and a dagger called a *kirpan*.

ANSWER: **Sikh**ism

[10] Sikhs also aim to suppress this set of human vices, including lust, rage, greed, attachment and conceit.

ANSWER: **Five Thieves** [or **Panj Dosh**; or **Panj Vikar**] <WN>

10. T.H. Huxley coined the term for this construct. For 10 points each:

[10] Name this construct that runs between Sulawesi and Borneo, representing the difference in fauna between Southeast Asia and Australia.

ANSWER: **Wallace Line**

[10] The Wallace Line separates this country's territory into two ecological halves. Recently, forests on many of its islands, including Borneo, have been threatened by slash-and-burn techniques and the establishment of palm oil plantations.

ANSWER: **Indonesia** [or Republic of **Indonesia**; or Republik **Indonesia**]

[10] Before Wallace, this man noted the ecological disparity between the Philippines and the Moluccas. He wrote an account of his time with Juan Sebastián Elcano aboard the *Victoria*, a journey also chronicled by Maximilianus Transylvanus.

ANSWER: Antonio **Pigafetta** [on the Magellan expedition] <KG>

11. One of these events took place in St. John in 1733. For 10 points each:

[10] Name these events, examples of which in Jamaica include the Baptist War and Tacky's War. In Haiti, one of these rebellions was led by Toussaint L'Ouverture.

ANSWER: **slave** revolts [accept clear equivalents]

[10] This term refers to escaped slaves who established their own communities, particularly in Jamaica. Their leaders included Queen Nanny and Cudjoe.

ANSWER: **maroons**

[10] This type of folk magic of Igbo origin was outlawed in Jamaica after Tacky's War. Queen Nanny was often described as a practitioner of it by contemporary documents.

ANSWER: **obeah** [or **obi**] <WN>

12. An artist from this city made the candlelit scene *The Matchmaker*, and was named Gerrit van Honthorst. For 10 points each:

[10] Identify this city, whose name is also the surname of a Frans Snyders-influenced Flemish still life painter who painted *Still Life with Parrot* and *Fishmonger's Stall*.

ANSWER: **Utrecht** [the painter is Adriaen van Utrecht]

[10] Gerrit van Honthorst was a member of an Utrecht-based group of painters influenced by this master of chiaroscuro, who painted *The Calling of St. Matthew*.

ANSWER: **Caravaggio** [or Michelangelo **Merisi** da Caravaggio]

[10] In this Caravaggio painting, a man peeks over a boy's shoulder and signals to another boy, who has a dagger and some other objects in his belt.

ANSWER: *The* **Cardsharps** <WN>

13. Answer the following about the Russian navy, for 10 points each.

[10] The Russian navy has always included a ship named *Gangut* ever since their naval victory at Gangut in this war waged by Peter the Great and Charles XII.

ANSWER: **Great Northern** War

[10] Peter the Great founded Russia's first naval base at this city on the Sea of Azov, which eventually became the base for the Black Sea Fleet.

ANSWER: **Taganrog**

[10] This American naval officer joined Catherine the Great's navy for a short-lived campaign on the Black Sea.

ANSWER: John Paul **Jones** <KG>

14. One problem with these is that blue emitters degrade far more rapidly than their counterparts, and simple examples of these have layers of poly(*p*-phenylene vinylene). For 10 points each:



[10] Name these components which can be used to make weird flexible screens.

ANSWER: **OLEDs** [or **organic light-emitting diodes**, prompt on “**LEDs**” or “**light-emitting diodes**”]

[10] This layer of an OLED is usually made of the optically transparent indium tin oxide. The organic layer is sandwiched between this type of negative layer and the positive cathode.

ANSWER: **anode**

[10] This quantity for an OLED is analogous to the valence band of a normal semiconductor. This is the less energetic of the two frontier orbitals.

ANSWER: **HOMO** [or **highest occupied molecular orbital**] <BM>

15. The narrator of this essay describes playing a vaguely erotic game where he would hold a trumpet, representing a stethoscope, to a little girl’s belly. For 10 points each:

[10] Name this essay, a portrait of the author’s harsh upbringing at St. Cyprian’s under a headmaster nicknamed Sambo. Its title comes from William Blake’s poem “The Echoing Green.”

ANSWER: “**Such, Such Were the Joys**”

[10] Inspired by a pedagogical method he picked up at St. Cyprian’s, this essay by the same author renders a passage from Ecclesiastes into an pretentious modern translation to stress the importance of good writing. It advises against using the passive voice, dead metaphors, and needlessly long words.

ANSWER: “**Politics and the English Language**”

[10] “Such, Such Were the Joys” and “Politics and the English Language” were written by this British author of *Animal Farm* and *Nineteen Eighty-Four*.

ANSWER: George **Orwell** [or Eric Arthur **Blair**] <AG>

16. The CUG codon specifies leucine instead of serine in this species, whose WO-1 and 3153A strains undergo phenotypic switching to generate different morphologies spontaneously. For 10 points each:

[10] Name this fungus that causes opportunistic oral and genital infections in immunocompromised patients.

ANSWER: **Candida albicans** [or *Candida* **albicans**; or **candidiasis**; accept any answer containing **Candida**]

[10] *Candida albicans* attaches to epithelial cells by using a “wall protein” expressed by these filamentous structures that extend from most fungi and are partitioned into individual cells by septa.

ANSWER: **hyphae**

[10] *Candida albicans* is also capable of growing as this fungal form, which lacks hyphae. *S. cerevisiae* is the best known fungus that grows only in this form, and is known as the “baker’s” one.

ANSWER: **yeast** <AG>

17. The revival of this philosophy in the latter half of the 20th century is called the aretaic turn. For 10 points each:

[10] Name this approach to ethics championed by Alasdair MacIntyre and Martha Nussbaum. Its revival was influenced by the publication of G. E. M. Anscombe’s paper “Modern Moral Philosophy.”

ANSWER: **virtue** ethics

[10] In *After Virtue*, Alasdair MacIntyre criticizes the Enlightenment’s abandonment of the virtue ethics of this ancient Greek author of the *Nicomachean Ethics*.

ANSWER: **Aristotle**

[10] Aristotle distinguished the virtue of *sophia*, or theoretical wisdom, with this virtue, translated as “practical wisdom” or “prudence.” For Socrates, this was the most important virtue.

ANSWER: **phronesis** <WN>

18. This character sleeps with a prostitute named Božena. For 10 points each:

[10] Name this character who, with his boarding-school friends Reiting and Beineberg, tortures their classmate Basini after he steals some money.

ANSWER: Young **Törless**

[10] *The Confusions of Young Törless* was written by this modernist, who wrote the massive but unfinished novel *The Man without Qualities*.

ANSWER: Robert **Musil**

[10] Robert Musil hailed from this country. *The Man without Qualities* takes place during the decline of the monarchy which joined this country and Hungary.

ANSWER: **Austria** [or **Österreich**] <WN>

19. This man picked Thetis as the winner of a beauty contest over Medea, who cursed him as a liar as a result, leading to the saying that all Cretans are liars. For 10 points each:

[10] Name this warrior who fought alongside his half-brother Meriones. After being encouraged by Poseidon, he killed Asius and Alcatous, and drives back Hector.

ANSWER: **Idomeneus**

[10] Idomeneus also engages this Trojan prince, who is given Helen after Paris's death, although he is slain after Helen lets Menelaus enter his bedroom. Athena took the form of this figure to goad Hector into fighting Achilles.

ANSWER: **Deiphobus**

[10] Idomeneus and Deiphobus both appear in this epic by Homer that details the Trojan War.

ANSWER: *The **Iliad*** <SD>

20. The furthest known one of these, ULAS J1120+0641, is at a redshift of 7.085. For 10 points each:

[10] Name these very distant, extremely powerful objects which are powered by active galactic nuclei.

ANSWER: **quasar** [or **quasi-stellar radio source**]

[10] A twin quasar gave the first evidence for this phenomenon when it was realized that it was actually only one quasar which we could see two images of.

ANSWER: **gravitational lensing**

[10] Special classes of AGNs include these quasars, which show high variability on short time scales. They generally have broader emission lines and higher redshift than the similar BL Lac objects.

ANSWER: **optically violent** variable quasars [or **OVV**, prompt on "**blazars**"]

Extra: In a novel written in this language, Muidinga and Tuahir take refuge in a burned bus in a post-civil war hellscape. For 10 points each:

[10] Name this language used in *Sleepwalking Land* by Mozambican author Mia Couto, and a novel about a sudden epidemic of blindness, by Jose Saramago.

ANSWER: **Portuguese** [or **Portugues**]

[10] This Brazilian author wrote about the romance between the bar owner Nacib Saad and a migrant worker in *Gabriela, Clove, and Cinnamon*, and wrote about a love triangle between Teodoro, Vadinho, and the title woman in *Dona Flor and Her Two Husbands*, both written in Portuguese.

ANSWER: Jorge **Amado** [or Jorge Leal **Amado** de Faria]

[10] The destitute typist Macabea utters the words "As for the future" before dying in this Clarice Lispector novel narrated by Rodrigo S.M., which, surprise, is also in Portuguese.

ANSWER: *The **Hour of the Star*** [or A **hora da estrela**] <AG>