

2020 Terrapin Open

Packet 13

By Caleb Kendrick, Vishwa Shanmugam, Graham Reid, Emmett Laurie, Joelle Smart, Ewan MacAulay, Jack Lewis, Alex Echikson, Naveed Chowdhury, Justin Hawkins, Ophir Lifshitz, Ani Perumalla, Jason Shi, Kai Smith, Anson Berns, Jakobi Deslouches, NourEddine Hijazi, Caroline Mao, and Ethan Strombeck

Tossups

**1. One ruler with this name captured Chilia during an invasion of Moldavia that began in response to Stephen the Great's deposition of Basarab the Younger in Wallachia. A succession struggle that broke out during the reign of a ruler with this name inspired his Shia subjects to rise up in the Şahkulu Rebellion. Another ruler with this name agreed to hand over the Head of the Holy Lance to Pope Innocent VIII in exchange for the papacy continuing the imprisonment of his brother (\*) Cem ("jem"). That ruler with this name faced rebellions from his Karamanid brother-in-law Alaeddin Bey and extended his European domain by capturing Tarnovo and Salonika. A ruler with this name defeated a crusade led by Enguerrand VII De Coucy ("on-gair-ON the seventh duh koo-SEE") and Sigismund of Hungary at the Battle of Nicopolis. The death of a ruler with this name who was captured at the Battle of Ankara led to the Ottoman Interregnum. For 10 points, give this name of two Ottoman Sultans, the first of whom was known as the "Thunderbolt."**

ANSWER: **Bayezid** [accept **Bayezid** I or **Bayezid** the Thunderbolt; accept **Bayezid** II or **Bayezid** Osman]  
<JL, World History>

**2. A philosopher who held this view drew a distinction from what is apparent from the apparent itself using the example of honey's sweetness. That philosopher likened this view to climbing a stepladder, which, once climbed, can not be knocked down with one's own feet. A single passage in Aristocles contains almost everything we know about a thinker who may have adopted this view after meeting gymnosophists while in India with Alexander the Great. Two adherents of this view argued for the *eulogon*, or the reasonable, and *pithanon*, or the probable, as better criteria than (\*) *katalepsis*. A thinker who championed this view adopted Agrippa's Five Modes in a book about its "outlines," which argues that *epoche* ("eh-po-KAY"), or bracketing, leads to *ataraxia*. Arcesilaus and Carneades advanced this view's "academic" form. For 10 points, name this view whose adherents, including Sextus Empiricus and Pyrrho, advocated suspending judgment.**

ANSWER: **skepticism** [or academic **skepticism**; or Pyrrhonian **skepticism**; or **Pyrrhonism**]  
<CK, Philosophy>

**3. A poem by this author includes two sections described as "her word," one of which describes the speaker's dislike of her husband's smile that "never came of being gay." In a poem by this author, a doctor takes a boy's pulse, and the speaker declares: "Little – less – nothing! – and that ended it." In another poem, the title lonely, childless woman's husband "learned of finalities / Besides the grave" when she left him. He wrote a poem about a creature who "knows in singing not to sing" that, "when comes that other fall we name the fall," "says the highway dust is over all." This author of "The (\*) Hill Wife" wrote a poem that ends, "And they, since they were not the one dead, turned to their affairs" and a poem that states the title bird "frames in all but words" the question "what to make of a diminished thing." In another poem, he described the death of a boy who loses control of a buzz-saw. For 10 points, name this poet of "The Oven Bird" and "Out, Out—."**

ANSWER: Robert **Frost**  
<CK, American Literature>

**4. During this conflict, children were abducted and sent to reeducation camps known as the Queen's Camps. Prior to this conflict, police attacked a crowd that marched on the Tomb of the Unknown Soldier to demand the punishment of the collaborationist Security Battalions. Ronald Scobie attempted to prevent this conflict**

**by issuing a disarmament ultimatum, which was ignored by the far-right Organization X (“kye”). After the (\*) *Dekemvriana*, or December Events, Winston Churchill traveled to the country where this conflict occurred to pressure the Soviets into honoring the Percentages Agreement. During this conflict, which pitted the EDES against the EAM-ELAS, the United States used Marshall Aid to fund one side in the first application of the Truman Doctrine. For 10 points, name this conflict, considered the first proxy war of the Cold War, that was fought in a Mediterranean nation.**

ANSWER: **Greek Civil War**

<CK, European History>

**5. After writing an essay opposing this activity, Benjamin Britten composed an orchestral song cycle based on this activity set to text by Ravencroft and Auden, which Vaughan Williams defended at its premiere in the 1936 Norfolk Music Festival. Percy Grainger’s “Blithe Bells” is a “ramble” on a movement from a vocal piece nicknamed for this activity. A chorus doing this activity in Act 3 sings “Was gleich wohl auf Erden” (“voss GLY’sht vole owf AIR-din”) with [read slowly] a low A pickup, quarter-note D, then the 16th notes D E F-sharp G A in a (\*) Weber opera. Due to the triadic B-flat major violin duet and 6/8 meter at its start, Mozart’s String Quartet No. 17 was nicknamed for this activity. Bach’s secular cantata containing the aria “Sheep May Safely Graze” is nicknamed for this activity. Liszt’s Transcendental Étude No. 9 is titled for “wild” and this activity. For 10 points, name this activity often represented in music with drum beats and horn calls.**

ANSWER: **hunting** [accept *Our Hunting Fathers* or the **Hunting** Cantata or the **Hunters**’ Chorus or “Wild **Hunt**”; accept Wilde **Jagd** or **Jäger**chor or **Jagd**quartett; or *La chasse*]

<JD, Classical Music>

**6. One of these proteins encoded by CHRNA4 is mutated in some cases of nocturnal frontal lobe epilepsy. LRP4 facilitates Dok7- and rapsyn-dependent clustering of these proteins by linking agrin to MuSK. These proteins are targeted by ipratropium, which eases symptoms of COPD. These non-enzymatic proteins are attacked in a disease frequently comorbid with thymomas and treated with inhibitors of a [emphasize] *different* protein such as pyridostigmine. (\*) Scopolamine inhibits postganglionic parasympathetic transmission through their metabotropic subtype, which is responsive to muscarine. For 10 points, name these proteins whose nicotinic subtype is found on the postsynaptic side of the neuromuscular junction where it binds to a namesake neurotransmitter.**

ANSWER: acetyl**cholinergic receptors** [or **acetylcholine receptors**; or **muscarinic receptors** or **nicotinic receptors**; or n**AChRs**; or m**AChRs**; do not accept or prompt on “acetylcholine”]

<VS/JS, Biology>

**7. In this city, a 14-year-old dubbed “Chalk Girl” became a viral sensation after she was arrested for drawing a flower in chalk. In a bizarre protest, a group of people gathered in front of this city’s space museum and trained laser pointers on its walls in an unsuccessful attempt to light it on fire. It’s not Prague, but in this city, individuals left over 10,000 post-it note messages on the “Lennon Wall.” Marco Rubio and Alexandria Ocasio-Cortez both co-signed a letter protesting (\*) Blizzard Entertainment’s decision to ban a *Hearthstone* player born in this city. In 2019, protesters inspired by the Baltic Way formed a 50-kilometer-long human chain here. Daryl Morey, the general manager of the Houston Rockets, tweeted his support for protesters in this city who responded to the Fugitive Offenders amendment by storming its Legislative Council. For 10 points, name this city whose Umbrella Movement has protested encroachment on its sovereignty by China.**

ANSWER: **Hong Kong** [or **Xianggang**]

<CK, Modern World>

**8. This author asked “if you are kicked by a donkey, do you kick it back?” to explain why he didn’t respond harshly to harsh criticism. A collection by this poet begins by describing a drawing in which “every figure...**

wears a plaintiff's paper robe." In response to critics like Muhammad Husain Azad, this poet declared, "If there's no meaning in my verses, then so be it." He's not Saadi, but the biographer Hali wrote a yaadgar about this poet, who adopted a takhallus meaning "conqueror" or "victorious." This poet was rivals with Sheikh Ibrahim Zauq at the court of (\*) Bahadur Shah Zafar until the Indian Rebellion of 1857. This author wrote that he "was not the only master of Rekhta" because in a "previous age," there was Mir Taqi Mir. For 10 points, name this Urdu and Persian-language poet of many ghazals.

ANSWER: Mirza **Ghalib** [or **Mirza** Asadullah Baig Khan]

<JF, World/Other Literature>

9. After the French Revolution, exiles belonging to this order came to America under the leadership of Augustin de Lestrang and occupied the present-day site of St. Patrick's Cathedral in Manhattan. One member of this order left St. Bonaventure University to be ordained in Kentucky at this order's Abbey of Our Lady of Gethsemani, events described in his autobiography. This order split from the Cistercians under the leadership of Armand Jean de Rancé, who banned the (\*) consumption of meat, fish, eggs, cheese, and butter. An American from this order wrote *The Seven-Story Mountain*; that member of this order was Thomas Merton. This religious order operates the abbey of Westvleteren ("west-FLAY-ter-in") in Belgium, one of several abbeys operated by this monastic order that contain working breweries. For 10 points, name this contemplative monastic order whose strict observance of the Rule of St. Benedict leads its monks to spend much of their time in silence.

ANSWER: **Trappists** [accept Order of Cistercians of the **Strict Observance** or **OCSO** until "strict observance" is read]

<NC, Religion: Christianity>

10. Note to moderator: Read the answerline carefully. An inverse-cube dependence is observed in a logarithmic density that describes these substances and is named for Christian Junge. In the troposphere, the "secondary organic" type of these substances are formed by successive oxidation of VOCs. They're not plasmas, but these substances name a variant of chemical vapor deposition where vapor is generated by ultrasonication of a solution of a reagent precursor rather than direct vaporization. One of these substances is generated in the shape of a Taylor cone in a technique for soft ionization of mass spectrometry analytes using an (\*) electrospray. Until they were banned for their effect in the depletion of the ozone layer, CFCs were popular propellants for generating these substances by forcing a liquid through a nozzle. Consisting of liquid or solid particles evenly dispersed in a gas, for 10 points, name this colloidal state of matter produced by spray cans.

ANSWER: **aerosols** [prompt on ion spray or ions or electrospray or ionized droplets after "VOCs" is read by asking "what type of substance does an electrospray create?"]

<EM, Chemistry>

11. Around 400 mostly glass beads were found in this city at a site named Bead Hill, which is believed to be the site of the indigenous city of Ganestiquiagon. This city's founder bought James Cook's "Canvas House" at an auction for use in founding it. A "Carrying-Place Trail" that shares its name with this city was traversed by Étienne Brûlé in 1615. The Family Compact, an aristocratic ruling class centered in this city, collapsed after the Rebellions of 1837. Roger Schaeffe defended this city at an 1813 siege during which (\*) Zebulon Pike died. The land where this city was founded was purchased from the Mississaugas of the Credit First Nation. This city was founded by John Graves Simcoe as the city of York. William Lyon Mackenzie served as the first mayor of this city, which, in 1797, replaced Newark as capital of Upper Canada. For 10 points, name this city, the largest in Canada.

ANSWER: **Toronto** [accept **York** until read]

<EL, Other History>

12. In liner notes, this musician likened jazz to Japanese art where the “artist is forced to be spontaneous.” After this musician recorded it with Cannonball Adderley, the Miles Davis song “Nardis” became a staple in his repertoire. While playing Leonard Bernstein’s “Some Other Time,” this musician improvised a one-bar left-hand ostinato in C major, which became his song “Peace Piece.” This musician described himself as the “king” of a locked-hands style he adapted from George Shearing. He names a type of smooth voice leading using (\*) rootless chord voicings. He was jokingly offered 25 dollars in royalties for his uncredited writing role on “Blue in Green.” This pianist played a quartal harmony made of 3 fourths below a third on the opening track of Miles Davis’s *Kind of Blue*. He led a trio with Paul Motian (“motion”) and Scott LaFaro, and recorded a track in 3/4 time dedicated to his niece. For 10 points, name this jazz pianist who composed “Waltz for Debby.”

ANSWER: Bill Evans

<CK, Other Arts: Music>

13. A story set in this country ends with the narrator reflecting on “the serpent that digests us all,” which represents the “universal cannibalism” present in every “amorous relationship,” after fantasizing about his partner Olivia eating human flesh. That story set here represents the sense of taste in an unfinished Italo Calvino collection. While in this country, a man mistranslates a headline about the pope’s inevitable death as referring to his own death. A man living in this country plays a game he calls *sortes Shakespeareanae* and writes a letter that his friend finds after randomly opening an anthology of Elizabethan plays to (\*) *Doctor Faustus*. A novel set in this nation ends with a man nicknamed “The Elephant” handing a stack of letters to the protagonist, who is shot and thrown into a ravine, while a horse branded with the number seven tramples Yvonne Constable. That novel set in this county follows an alcoholic consul named Geoffrey Firmin. For 10 points, Malcolm Lowry’s *Under the Volcano* is set in what country?

ANSWER: Mexico [or United Mexican States; or Estados Unidos Mexicanos] (The first clues are about Italo Calvino’s “Under the Jaguar Sun.”)

<VS, European Literature>

14. St. Jerome banned these items from convents, arguing that they would cause a phenomenon that would “tickle” the genitals of nuns. Exorcists in the Roman Lemuria festival walked backwards barefoot at night and threw these objects over their shoulder. They’re not bones, but Ubykh (“OO-bik”) diviners scattered and interpreted these objects in favomancy. On February 3, Japanese people chant “Oni wa soto! Fuku wa uchi!” and throw these dried objects at a masked ogre to purify a household in (\*) *mamemaki* (“ma-meh-ma-kee”) on the spring festival Setsubun (“SET-soo-boon”). An elaborate figurine called “la fève” may replace one of these objects hidden inside king cakes eaten around Epiphany or Mardi Gras. Elijah Muhammed encouraged members of the Nation of Islam to make pies from this foodstuff. For 10 points, Pythagoras’s cult abstained from eating what seeds of certain legume plants, such as fava and soy?

ANSWER: beans [accept throwing beans; accept specific types of beans like fava beans, broad beans, black beans, roasted beans, soybeans, or fortune beans]

<OL, Other Academic>

15. The cores of large igneous plagioclase rocks typically contain more of this element than their outer layers. Minerals poor in this element such as lepidolite can be dated by measuring the presence of this element due to radioactive decay of potassium. The continuous branch of Bowen’s reaction series goes from minerals rich in this element to minerals rich in (\*) sodium. Vaterite is a metastable hexagonal crystal mineral that contains this metal, which is also present in the orthorhombic mineral aragonite. Along with magnesium, this metal is present in dolomite. With sandstone and shale, fossils are most commonly found in a rock consisting of this element’s carbonate. For 10 points, name this element whose carbonate is the main constituent of limestone.

ANSWER: calcium [or Ca]

<GR, Other Science: Earth Science>

16. Noah Andre Trudeau's 2008 book about this event argues that it was meticulously planned using census data. A 1986 documentary titled for this event by Ross McElwee shifts between discussions of this event's cultural memory, the director's recent breakup, and nuclear proliferation. During this event, the amusingly-named General Jefferson Davis ordered his men to cut a pontoon bridge loose, causing freed slaves to drown in the Ebenezer Creek. Men known as "bummers" stole (\*) freely during this event in which William Hazen captured Fort McAllister in a mere 15 minutes. At its outset, soldiers were ordered to "appropriate freely and without limit, discriminating, however, between the rich, and the poor." Following this campaign, Special Field Orders No. 15 was issued, giving rise to the expression "forty acres and a mule." For 10 points, name this 1864 scorched-earth campaign waged from Atlanta to Savannah.

ANSWER: Sherman's March to the Sea

<CK, American History>

17. An artist with this surname worked with Alex Reed to create jewelry that was "anti-precious," drawing inspiration from their trip to Monte Albán. That artist with this surname created *6 Prayers*, a set of six works memorializing the Holocaust. Silkscreens of a series of zinc plate artworks titled *Graphic Tectonics* are included in a portfolio titled *Formulation: Articulation* that an artist with this surname used to explore optical illusions, much like his (\*) *Two Structural Constellations*. An artist with this surname authored *The Interaction of Color* and created a series that included a Whitney-held work subtitled *Ascending*. The weaving workshop at Black Mountain College was established by an artist with this surname who fled there with her husband after the closing of the Bauhaus. An artist with this surname created a series of paintings depicting three or four nested blocks of color. For 10 points, give this surname of textile artist Anni and the artist of *Homage to the Square*, Josef.

ANSWER: Albers [accept Anni Albers or Josef Albers]

<VS, Painting/Sculpture>

18. In a discussion of *Noli Me Tángere* ("no-lee may TAHN-gay-ray"), this book argues that even though José Rizal ("ree-S AHL") didn't know his audience, he addressed them with "ironical intimacy." This book argues that modernity has witnessed the emergence of a new linear, causal view of history, which its author terms "homogenous, empty time." This book originally ended with a reflection on Walter Benjamin's ("VALL-tuh BEN-yah-meen's") "Angel of History," declaring the "the Angel is (\*) immortal, and our faces are turned to the obscurity ahead." This book critiques Thomas Nairn, arguing that inter-socialist conflicts are to be expected, in a discussion of the late 1970s wars between Cambodia, Vietnam, and China. It argues that censuses, maps, and museums helped people feel a sense of "a deep, horizontal comradeship" with people they do not know. For 10 points, name this book which argues that "print-capitalism" led to the rise of nationalism, written by Benedict Anderson.

ANSWER: Imagined Communities [or Imagined Communities: Reflections on the Origin and Spread of Nationalism]

<JH, Social Science>

19. In this play, the refined taste of a mother, who decorates her house entirely in the style of the Pre-Raphaelite Brotherhood, is given as evidence by its author that her son is a bachelor because women his age cannot compare to her. A character in this play defines middle class morality as "an excuse for never giving me anything." After being instructed to talk only of the weather and health, a character in this play elucidates her theory that her aunt, who supposedly died of the flu, had been "done in." A man in this play receives five pounds in exchange for his (\*) daughter after promising to squander it right away. After starting a fight by throwing a man's slippers at him, a character in this play says her new status as a lady leaves her only fit to sell herself. At the end of this play, its protagonist opens a flower shop with her husband Freddy Eynsford-Hill. For 10 points, Eliza Doolittle learns English from the phoneticist Henry Higgins in what George Bernard Shaw play?

ANSWER: Pygmalion  
<EL, British Literature>

20. **These topological defects correspond to a loop where integrating the change in phase gives a multiple of two pi. These features appear in the ground state of charged superfluids in an external magnetic field. Onsager and Feynman proposed a transition where the configurational entropy corresponding to lines of these things overcomes their energy cost, and above the KT phase transition pairs of these things are (\*)** “unbound.” Magnetic field lines are able to penetrate type-II superconductors due to the presence of these things, as put forward by Abrikosov. Normally, the circulation around one of these features is Planck’s constant over  $2m$ , and they carry quantized angular momentum. For 10 points, name these features, the quantum version of a feature in which fluid flow revolves around an axis.

ANSWER: quantum vortices [accept vortex arrays; accept Abrikosov vortices or fluxons after “magnetic field lines” is read; do not accept or prompt on “eddies” or “whirlpools”]  
<GR, Physics>

## Bonuses

1. At the end of a play titled for this location, the protagonist notes that any of its residents who believe in God should “have his head banged on the pavement until he croaks,” but she is drowned out by a mock-canonization and by loudspeakers blaring depressing economic news. For 10 points each:

[10] Name this location. The protagonist’s visits to this location are referred to as “descents into the depths,” including once when the broker Slift takes her here to show the wickedness of the poor.

ANSWER: the **stockyards** [accept *St. Joan of the Stockyards*; prompt on Chicago]

[10] This Marxist playwright critiqued Chicago’s meatpacking industry in *St. Joan of the Stockyards*. This man developed epic theatre in works like *Mother Courage and Her Children*.

ANSWER: Bertolt **Brecht**

[10] This Chicago gangster titles another Brecht play, in which his shady dealings involve offering protection to the “Cauliflower Trust.” His rise to power is meant as a “parable” that parallels that of Hitler’s.

ANSWER: **Arturo** Ui [or Arturo **Ui**; accept *The Resistible Rise of Arturo Ui*]

<VS, European Literature>

2. A quantity representing this relationship is raised to the beta power, where beta is chosen using a scale-free topology criterion. For 10 points each:

[10] Name this relationship represented by the edges of graph where nodes are genes in a “weighted network analysis” technique developed by Steve Horvath.

ANSWER: gene **coexpression** [accept gene **correlation**; accept Weighted Gene **Correlation** Network Analysis]

[10] After WGCNA, eigengenes (“EYE-gun-jeens”) are found as the first of these values for a consensus module. A namesake statistical method uses orthogonality transformations to produce an uncorrelated set of these variables, with the first of these things having the largest possible variance.

ANSWER: **principal components** [or **principal component** analysis; accept the first **principal component**; prompt on PCA]

[10] Horvath and Langfelder extended the notion of gene hubs to hubs for selection during this type of study that yield better results compared to marginal methods like Stouffer’s method. These studies combine data from other studies.

ANSWER: **meta-analyses** [or **meta-analysis**; or **meta-study** or **systematic review**; prompt on review]

<VS, Other Science: Engineering/Mixed>

3. A member of this family who built the Berkeley Plantation married Anne Carter, the daughter of a plantation owner who was nicknamed “King” for his magnificent wealth. For 10 points each :

[10] Identify this family, many of whose members served in the House of Burgesses. A member of this family who helped draft the Model Treaty of 1776 and signed the Declaration of Independence served as Governor of Virginia between 1781 and 1784.

ANSWER: **Harrison**

[10] Many members of the Harrison family had this first name, which was shared by a member of the Harrison family who served as president between the two terms of Grover Cleveland.

ANSWER: **Benjamin** Harrison

[10] The sister of Benjamin Harrison II, Sarah Harrison, was married to the missionary James Blair, who helped found this university and served as its first president.

ANSWER: **William & Mary**

<JL, American History>

4. During the *Sacramental Melodrama* in Paris, the founders of this movement slit the throats of geese, threw live turtles at the audience and had one of their founders whipped. For 10 points each:

[10] Name this movement inspired by the Theatre of Cruelty, partly founded by Fernando Arrabal and Roland Topor.  
ANSWER: The **Panic** Movement

[10] This third founder of the Panic Movement studied mime under Marcel Marceau and was a disciple of Ejo Takata. He depicted the title gunman riding through the desert with his naked son in *El Topo*.

ANSWER: Alejandro **Jodorowsky** (“ho-dor-OFF-skee”)

[10] Jodorowsky planned to adapt this novel but the project was canceled after the budget got out of hand. Orson Welles and Salvador Dalí demanded high payments, and Pink Floyd was set to do the soundtrack. David Lynch eventually adapted this Frank Herbert novel.

ANSWER: ***Dune***

<JH, Other Arts: Film>

5. A child with a massive gaping hole in his back was born to a human maiden and Kamohoali‘i, the brother of Pele and the king of these animals. For 10 points each:

[10] Dakuwaqa is represented as one of these animals in a Fijian myth in which he battles an octopus for control over Kadavu Island. Tutira is turned into one of these animals to prevent his marriage to Kawariki in another tale.

ANSWER: **sharks**

[10] The story of Tutira and Kawariki is found in the myths of these indigenous people of New Zealand, who worshipped the sea god Tangaroa and the primordial pair Rangi and Papa.

ANSWER: **Māori**

[10] This major figure in various Polynesian mythologies is the son of Tangaroa and the guardian of fish in Māori mythology. This figure lends his pet whale to Kae for his return journey, only for Kae to kill and eat it.

ANSWER: **Tinirau** [or **Tinilau**; or **Sinilau**]

<JSH, Mythology>

6. The *Mubarizun* were warriors in the Rashidun Caliphate’s army known for their skill at this type of combat. For 10 points each:

[10] Give this form of combat, which would often open Sassanian battles. In Rome, winners of this sort of combat would collect *spolia opima* as a trophy. A description is acceptable.

ANSWER: **single combat** [accept any answer indicating a **battle** or **fight** between **two** warriors or **one** warrior from **each** side; accept any answer indicating **one on one** combat; do not accept or prompt on “duel”]

[10] Among the *Mubarizun* was Abdul-Rahman, a son of this first Rashidun Caliph and Muhammad’s father-in-law.

ANSWER: **Abu Bakr**

[10] A legendary later instance of single combat atop war elephants saw Ayutthata King Naresuan kill Mingyi Swa, a prince of this dynasty. The Mon people established the Restored Hanthawaddy Kingdom after revolting against this dynasty.

ANSWER: **Toungoo** Dynasty

<EL, Other History>

7. Ezra Pound declared “I salute a serious craftsman” in his preface to this poet’s collection *Discrete Series*, which was the only work he published before fleeing to Mexico to avoid prosecution by HUAC. For 10 points each:

[10] Name this poet. The speaker describes how “Obsessed, bewildered / By the shipwreck / Of the singular,” we have chosen the meaning of the title feeling in his long poem *Of Being Numerous*.

ANSWER: George **Oppen**

[10] This type of work titles an Oppen poem describing wild deer who with “alien small teeth tear at the grass.” This type of work also titles a Henry Wadsworth Longfellow poem whose speaker asserts “life is real! life is earnest!”

ANSWER: **psalm** [accept “A **Psalm of Life**”]

[10] Oppen’s mentor, Louis Zukofsky, parodied this poem in his “Poem beginning ‘The.’” H. P. Lovecraft parodied this poem in “Waste Paper,” which ends with a pun on the word “shanty” and the Sanskrit word “shantih.”

ANSWER: *The Waste Land* (by T. S. Eliot)  
<CK, American Literature>

8. Elliot Aronson first observed this effect in an experiment at the University of Minnesota where confederates auditioning for *College Bowl* pretended to accidentally spill a cup of coffee. For 10 points each:

[10] Name this psychological effect in which a mistake increases the likeability of someone perceived to be competent, but decreases the likeability of someone perceived to be incompetent.

ANSWER: **pratfall** effect

[10] Karen Dion conducted a classic experiment on this effect at Minnesota, showing that individuals ascribe positive personality traits to photographs of attractive individuals.

ANSWER: **halo** effect

[10] Robert Zajonc (“ZYE-uncē”) discovered this effect that causes people to like things that are familiar. For example, Zajonc discovered individuals who had previously seen Chinese characters were more likely to rate them positively.

ANSWER: mere-**exposure** effect

<CK, Social Science: Psychology>

9. Zernike (“ZAIR-nee-kuh”) coefficients can be used to characterize this phenomenon, and it can be partially compensated by GRIN methods. For 10 points each:

[10] Name this phenomenon that results from deviations from the paraxial approximation; it can be defined in terms of the optical path difference between different rays traveling through a lens system.

ANSWER: optical **aberrations** (GRIN refers to optical elements with a nonuniform index of refraction.)

[10] Surfaces of this shape introduce a common type of aberration in optical systems. Surfaces of this shape are easy to fabricate because they have a constant radius of curvature.

ANSWER: **spherical** [or **sphere**; accept **spherical** aberrations or **spherical** lenses]

[10] This type of aberration is caused by rays in different planes having different effective foci. One form of this aberration is present when the imaging system is not symmetrical about its optical axis.

ANSWER: **astigmatism** [or **astigmatic** aberration; accept third-order **astigmatism**]

<GR, Physics>

10. This artist depicted four near-nude women in a garden being stared at by a nude man in the painting *The Joy of Living*. For 10 points each:

[10] Name this artist of a yellow-dominated family portrait featuring her husband Andre Utter and her son, landscape artist Maurice Utrillo.

ANSWER: Suzanne **Valadon** [or Marie Clementie **Valadon**]

[10] Valadon modeled for a work by this artist that shows her and the straw-hat-wearing Paul Lhote (“lutt”) in the dance at Bougival. This artist later depicted men wearing straw hats in his work *The Luncheon of the Boating Party*.

ANSWER: Pierre Auguste **Renoir**

[10] Valadon also became a lover of this artist, who made a portrait of her in 1885. A hairy hand clasps the neck of a cello in a work by this artist promoting the dancer Jane Avril.

ANSWER: Henri **Toulouse-Lautrec** (“too-LOOZ lo-TREK”)

<JL, Painting/Sculpture>

11. In a novel, this character is taken in by Mama Yaya after her mother Abena dies, but she eventually dies after being associated with Iphigenie’s rebellion. For 10 points each:

[10] Name this character who, in a play, admits to giving chicken blood to Betty during a ritual in the forest. She later claims that she saw Goody Good and Goody Osborne with the devil, influencing Abigail to confess the same.

ANSWER: **Tituba** [accept **I, Tituba, Black Witch of Salem**] (The latter clues are from *The Crucible*.)

[10] The novel *I, Tituba, Black Witch of Salem* was written by this French-Guadeloupean author, who described the lives of the Bambara in her novel *Segu*.

ANSWER: Maryse **Condé** [or Maryse **Boucolon**]

[10] In Condé's novel, this woman tells Tituba to only take revenge on those who wronged her. This character shares a cell with Tituba after being jailed for the same adultery she committed in *The Scarlet Letter*.

ANSWER: **Hester** Prynne [or Hester **Prynne**]

<VS, American Literature>

12. A law code first implemented in this colony created a middle class of assimilated native people who achieved citizenship known as *évolués* ("ay-vol-WAY"). For 10 points each:

[10] Name this colony whose conquest necessitated the creation of the *Code de l'Indigénat* ("lan-dee-zhay-NAH"). The FLN fought for its independence in a 1960s civil war ended by the Évian Accords.

ANSWER: French **Algeria**

[10] These people were removed from the *Code de l'Indigénat* by the Crémieux Decree. Napoleon put the question of these peoples citizenship in France to a council of them, the Great Sanhedrin.

ANSWER: **Jews**

[10] Among the punishments under *l'Indigénat* was forced conscription into these military units composed of indigenous people whose name came from a generic term for light infantrymen. Many of these all-black units were named for Senegal in homage to the first one.

ANSWER: **tirailleurs** ("tee-rye-YURR") [accept Senegalese **tirailleurs** or **tirailleurs sénégalais**]

<EL, European History>

13. The "world" type of this concept realizes itself through "world-historical figures" like Napoleon. For 10 points each:

[10] Identify this central concept in the philosophy of Hegel ("HAY-gull"), who wrote a book about its "phenomenology."

ANSWER: **spirit** [or **geist**; or **mind**]

[10] Spirit arises from this process wherein the thesis and antithesis interact, driving a dialectical process whose end result is an all-inclusive category called "the Absolute."

ANSWER: **Aufhebung** [or **sublation**]

[10] This philosopher offered a semantic reading of Hegel's *Phenomenology of Spirit*, interpreting spirit as an inferentialist semantics in his long-awaited 2019 book *A Spirit of Trust*.

ANSWER: Robert **Brandom**

<CK, Philosophy>

14. This structure consists of a membrane innervated by terminal nerve masses and suspended between two air chambers. For 10 points each:

[10] Name this organ that, in crotalines, is located in bilateral loreal fossae between the eye and nostril. Animals with this organ typically have broad, triangular heads and include the *fer-de-lance*.

ANSWER: **pit** organ [or loreal **pit** organ; or labial **pit** organ]

[10] This auxiliary structure in pit vipers transduces signals to the accessory olfactory bulb and may be stimulated by flehmen behavior.

ANSWER: **vomer nasal** organ [or **VNO**; or **Jacobson's organ**]

[10] Like pythons, this family of nonvenomous snakes has labial pit organs for sensing IR radiation. This family's common name is shared with its type genus, which includes the species *constrictor*.

ANSWER: **boas** [or **Boidae**; or **boids**; or **boa constrictor**; prompt on **Boinae**, as that is a subfamily]

<JS, Biology>

15. This leader purged left-wing Nasserites from his government in the 1971 Corrective Revolution. For 10 points each:

[10] Name this leader who oversaw Egypt's shift in the Cold War away from the USSR. He signed the Camp David Accords.

ANSWER: Anwar el-**Sadat**

[10] Under Sadat, Egypt pursued this economic policy roughly translated as "openness," which introduced elements of privatization to the Egyptian economy in the aftermath of the Yom Kippur War.

ANSWER: **infitah**

[10] During Bread Riots, protesters chanted "where is our breakfast" after addressing Sadat as the hero of Operation Badr, referencing a military feat at this location. That operation destroyed the Bar-Lev Line at this location.

ANSWER: **Suez** Canal

<EL, World History>

16. This musical style includes a stepwise diatonic "melodic voice" and a namesake voice that arpeggiates "the three notes of a triad." For 10 points each:

[10] Name this musical style first introduced in a short, symmetrical piano piece in B minor that adds one stemless note in each bar until bar 9, then removes them in reverse, titled *Für Alina*.

ANSWER: **tintinnabuli** [or **tintinnabulation**; or **tintinnabular**; or **tintinnabulum**; or word forms]

[10] Tintinnabuli was developed by Arvo Pärt ("pairt"), who is grouped with Górecki ("goo-RET-skee") and Tavener under this compositional style's "holy" form. Terry Riley and Philip Glass developed this simplified, repetitive style.

ANSWER: **minimalism** [accept holy **minimalism**]

[10] The name of Pärt's plodding tintinnabular Fourth Symphony puns on this city that commissioned it. Schoenberg taught the eclectic Lou Harrison and John Cage in this city, where the Evenings on the Roof concert series started in 1939 with an all-Bartók chamber music program.

ANSWER: **Los Angeles** [or **LA**; accept **Los Angeles** Symphony]

<OL, Classical Music>

17. Answer the following about the career of the late Sir Jack Baldwin, for 10 points each.

[10] Baldwin is best remembered for his rules governing this chemical process. This process is accelerated by geminal dimethyl groups in the Thorpe–Ingold effect.

ANSWER: **ring-closing** [accept **ring formation** or **cyclization**]

[10] Baldwin did his PhD with this British chemist. He names a thiohydroxamate ester that is decomposed by AIBN and tributyltin hydride into an alkane in a decarboxylation reaction that is also named for him.

ANSWER: Derek **Barton**

[10] Baldwin's interest in rings led him to study beta lactams with this property such as cephalosporins and penicillins. A key problem in modern epidemiology is the bacterial "resistance" to compounds with this property.

ANSWER: **antibiotic**

<EM, Chemistry>

18. This novel's protagonist ends the novel deciding to turn himself in, as tells Maisie: "It is good that a black man should tell the white people how we feel." For 10 points each:

[10] Name this novel in which the head of an illegal beer brewing operation, Leah, takes in the title character Xuma.

ANSWER: **Mine Boy**

[10] *Mine Boy* is by this author, who wrote about the title man liberating Panafrica in his novel *A Wreath for Udomo*.

ANSWER: Peter **Abrahams** [or Peter Henry **Abrahams** Deras]

[10] Abrahams's novel *Mine Boy* was the first novel published by a black writer in this nation since the publication of Sol Plaatje's novel *Mhudi*. An author from this country discussed censorship of her work in an essay collection that asks "What Happened to Burger's Daughter?"

ANSWER: **South Africa** [or Republic of **South Africa**]

<CK, World/Other Literature>

19. Like Todd Akin, this Republican politician lost a Senate election in 2012 after making insensitive comments about rape. For 10 points each:

[10] Name this former Indiana state treasurer who defeated incumbent Dick Lugar ("LOO-gar") in the 2012 senatorial primary before losing to Democratic candidate Joe Donnelly.

ANSWER: Richard **Mourdock**

[10] In his 2010 campaign for treasurer, Mourdock defeated this Democrat, the son of a Marxist academic. This former management consultant at McKinsey was subsequently elected mayor of South Bend, Indiana.

ANSWER: Pete **Buttigieg** ("BOOT-uh-jej")

[10] As a consultant for McKinsey, Buttigieg worked with this Canadian supermarket chain, which in 2018 was discovered to have been illegally fixing the price of bread.

ANSWER: **Loblaws** [or **Loblaw** Companies Limited]

<CK, Modern World>

20. The mantra *namu myōhō renga kyō* ("nahm MYO-ho REN-gay kyo") has been popularized in the West due in part to the efforts of this group. For 10 points each:

[10] Name this Buddhist group of Japanese origin, an offshoot of Nichiren Buddhism. It is known for its practice of proselytization and its assertion of religious exclusivity.

ANSWER: **Sōka Gakkai** International [or **SGI**; prompt on **Sōka**]

[10] Nichiren Buddhism is part of the Mahayana, but Theravada Buddhism has also reached the West through the *vipassanā* form of this practice. The "transcendental" form of this practice became popular in the West in the 1960s.

ANSWER: **meditation** [or **mindfulness**]

[10] Transcendental Meditation was created by this Indian religious leader. The Beatles traveled to India in 1968 to study under this man.

ANSWER: **Maharishi** Mahesh Yogi [or **Mahesh** Prasad Varma]

<NC, Religion: Buddhism>