

Penn Bowl 2021: Flenn Bowl

Packet 4

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Tossups

1. *Two answers required.* A 2019 book by Brett Whalen on these two political positions discusses the idea of “fullness of power” that would later inspire the “two swords” theory. One of these offices was considered minor and only reflecting the value of the other in an allegory comparing them to the sun and the moon. Neither is the Byzantine Emperor, but two men in these positions decided to fabricate three centuries of history according to Herbert Illig’s ridiculous (*) phantom time hypothesis. The relationship between these two positions was the subject of the anti-hierocratic treatise *De Monarchia* by Dante Alighieri. Rival factions known as the Guelphs and Ghibellines each supported one of these two positions, which had earlier agreed in the Concordat of Worms to end a conflict over the appointment of bishops. For 10 points, name these two positions, holders of which feuded during the Investiture Controversy.

ANSWER: pope AND Holy Roman Emperor [accept bishop of Rome, supreme/Roman/Sovereign pontiff, or pontifex maximus in place of “pope”; accept HRE, Imperator Romanorum, or Römisch-Deutscher Kaiser in place of “Holy Roman Emperor”; prompt on pope and king, or pope and emperor by asking “pope and which other specific royal position?”; do not accept or prompt on “Roman Emperor” or “Emperor of Rome” or partial answers] <Tracy Mirkin, European History>

2. The major mass deficit in this region may be explained by the outward transport of bodies it contains, as posited in the Nice (“neese”) model. This region’s bimodal inclination distribution distinguishes dynamically “cold” and “hot” populations. This region contains objects which display a 2:3 resonance, then a 1:2 resonance, and then a namesake “cliff.” David Jewitt and Jane Luu discovered the first body in this region, (*) Albion, whose provisional name inspired the term cubewanos (“kyoo-bee-WUN-ohs”) for non-resonant objects in this region. In 2019, a body in this region named Ultima Thule was examined in a flyby by NASA’s New Horizons. Some objects in this region have extremely eccentric orbits that may be caused by a ninth planet, which is also in this region that includes Pluto. For 10 points, name this ring of icy bodies beyond Neptune.

ANSWER: Kuiper belt [or Edgeworth–Kuiper belt] <Sam Charney, Other Science>

3. Adolf Loos inspired a critic with this surname to attack the proliferation of “design” in the collection *Design and Crime*. In *The Art-Architecture Complex*, that critic named Hal examined the “technocratic utopianism” of the “diagrid” motif used by an unrelated architect with this surname. After leaving Team 4, that architect with this surname founded his country’s largest architectural firm, named for him “plus Partners.” Maintenance cranes looking like “cannons” are mounted on the roof of a building designed by an architect with this surname; that building is the (*) HSBC Main Building. “The Spaceship” is the nickname of the circular Apple Park designed by an architect of this surname who oversaw the reconstruction of the Reichstag. For 10 points, give this surname of a British architect who designed a London skyscraper called “the Gherkin.”

ANSWER: Foster [accept Norman Foster; accept Hal Foster] <Aseem Keyal, Other Arts>

4. This author wrote a story in which two young men overhear mule drivers describe a woman as “savage as a kestrel” but beautiful, leading them to seek out that “Illustrious Scullery Maid.” A character describes his time at Nicholas Snub-Noses’s slaughterhouse in a story by this author that contains several nested stories told by the witch Cañizares. Cipión and Berganza’s meeting by a (*) hospital window is overheard by a syphilitic man in that story by this author. This author’s story about a lawyer who believes he is made of glass is collected with “The Dialogue of the Dogs” in a 1612 series of novellas. For 10 points, name this author of *Exemplary Novels* who wrote about an “ingenious gentleman” who becomes a knight errant in his novel *Don Quixote*.

ANSWER: Miguel de Cervantes Saavedra
<Margaret Tebbe, European Literature>

5. The author of this book describes being aware of himself in the “triple person,” rather than the third person, while riding a train. Sylvia Wynter developed the concept of “sociogenesis” from this book’s claim that “beside phylogeny and ontogeny stands sociogeny.” A chapter of this book criticizes Octave Mannoni for lacking the “slightest basis” for his theory of Malagasy “dependency.” The fifth chapter of this book adopts a (*) Hegelian perspective to argue that phrases like “Look! A Negro” turn black people into objects that need not exist “for others.” This book theorizes the “epidermalization” of the inferiority complex, one of the concepts it draws from Freudian psychiatry. For 10 points, name this book by Frantz Fanon about the psychological trauma induced by colonialism.

ANSWER: Black Skin, White Masks [or Peau noire, masques blancs]
<Harris Bunker, Social Science>

6. A character in this novel manipulates the policemen Barton and Young into apprehending two would-be assassins at a train station. A secret code in this novel involves inserting the phrase “go to – look for tarkeean” into conversation. A trader in this novel teaches the main character a memory game called the “Play of the Jewels.” This novel’s protagonist repeatedly recites his father’s prophecy that his destiny lies with a red (*) bull on a green field. The protagonist of this novel carries a message to Amballa for the horse trader Mehub Ali on his first mission in this novel. This novel begins with the title character sitting on the great cannon Zam-Zamma in front of the Lahore Museum. For 10 points, name this novel about an Indian-raised Irish orphan spying in the Great Game, written by Rudyard Kipling.

ANSWER: Kim
<Nitin Rao, British Literature>

7. The “Where’s Amarildo?” protests occurred in one of these places after one of their specialized Pacifying Police Units, or UPP, disappeared a bricklayer. German’s Complex, a group of fifteen of these places, was occupied after a shootout between police and the Red Command drug gang. The first of these places was erected by veterans from the War of (*) Canudos. People evicted from these places protested by playing the People’s Cup soccer tournament. Paolo Lins’s semi-autobiographical novel *City of God* is set in one of these places. The largest of these places, Rocinha (“ho-SEEN-yah”), was involved in the protests over a new parking lot for the Maracanã Stadium. For 10 points, name these slums that line the hills of Rio de Janeiro.

ANSWER: favelas [prompt on slums, shantytowns, poor neighborhoods, or any answers indicating neighborhoods in Rio de Janeiro]
<Emmett Laurie, World History>

8. An operator corresponding to this quantity, a rank-two antisymmetric tensor, and the Levi–Civita (“LAY-vee CHEE-vee-ta”) symbol are used to define the Pauli–Lubański pseudovector. This quantity for a particle in an electromagnetic potential is properly written as the usual form of this quantity plus the elementary charge over c times the four-potential. The “cosecant to the fourth” term in the Rutherford formula originates from forming an isosceles triangle out of two instances of this quantity and their difference, and then using the sine rule. “ E over c ” is the time-like component of this quantity’s (*) relativistic four-vector. By Noether’s theorem, systems with translational symmetry conserve this quantity. The total amount of this quantity for a system is zero in the center-of-mass frame. Impulse is the change in, for 10 points, what quantity equal to mass times velocity?

ANSWER: momentum [or linear momentum; or four-momentum; do not accept or prompt on “angular momentum”]

<Jonathen Settle, Physics>

9. The founder of this country’s Hayya Bina project and Umam Documentation and Research organization, Lokman Slim (“saleem”), was found dead in his car in February 2021. A UN-appointed special tribunal for this country sentenced Salim Ayyash to five life imprisonments *in absentia* in 2020. Saudi Arabia’s foreign minister announced that this country had declared war two days after its prime minister abruptly (*) resigned during a visit to Riyadh in 2017. Months of protests began in this country in response to a proposed 2019 charge on VoIP calls labeled the “WhatsApp Tax.” This country’s government resigned in 2020 after over two hundred residents of the capital died in a port warehouse explosion. For 10 points, name this country where Hezbollah operates independently of the government in Beirut.

ANSWER: Lebanon

<Nitin Rao, Miscellaneous>

10. This composer’s penultimate symphony features no accidentals for its first two minutes, before the introduction of F-sharps and C-sharps clashing with the brass’s first entrance on a C-major chord. In the 2000s, Sir Colin Davis recorded his third cycle of this composer’s symphonies for LSO Live. Mahler told this composer that “a symphony must be like the world” in contrast to this composer’s more restrained style, as shown by the “cold spring water” of his Sixth Symphony mostly in Dorian mode. This composer’s last symphony employs a heroic C-major theme for solo (*) trombone named for his wife. At the end of this composer’s Fifth Symphony, long pauses separate six *tutti* chords that are derived from a “swan theme.” This composer’s C-major Seventh Symphony is in one movement. For 10 points, name this composer of *The Swan of Tuonela* and *Finlandia*.

ANSWER: Jean Sibelius

<Michael Yue, Music>

11. Children pierced their ears to honor a deity of this substance during the last month of the calendar. Pregnant women had their faces painted blue to prepare for a ceremony dedicated to this substance, which was preceded by a Festival of Sweeping the Roads. Xiuhtecuhtli (“shee-oo-TEH-quit-lee”) was known as the Turquoise Lord or Lord of this substance. Every 52 years, a civilization held a ceremony of this substance in order to prevent the end of the world. In one variation of a myth, Nanauatzin killed himself with (*) this substance in order to succeed Chalchiuhtlicue (“chall-choo-tee-qway”). While serving as the third sun, Tlaloc killed humanity with this substance after they begged him to end a drought. During a ceremony of a new form of this substance, human hearts were offered to the sun. For 10 points, Aztecs sacrificed food by offering it to what kind of substance in a hearth?

ANSWER: fire [accept turquoise until “ceremony” is read]

<NourEddine Hijazi, Belief>

12. This character draws a small circle on the ground after being told of a “predicament” by a man with eyes “as blue and intense as the parrots in his shirt.” This character springs “back as if a snake had bitten him” after a woman touches his shoulder and exclaims “Why you’re one of my babies. You’re one of my own children!” This character claims “Jesus was the only one that ever raised the dead... and He shouldn’t have done it” after a woman yells her son’s name into the (*) woods. This character is assisted by Hiram and Bobby Lee and dons Bailey’s shirt before remarking that “she would have been a good woman... if it had been somebody there to shoot her every minute of her life” after killing The Grandmother. For 10 points, name this serial killer who appears in Flannery O’Connor’s story “A Good Man is Hard to Find.”

ANSWER: The Misfit [prompt on the serial killer or murderer from “A Good Man is Hard to Find” until “killer” is read]

<Taylor Harvey, American Literature>

13. Yellow and red blotches surround a lounging deer in a painting this artist did on a palette. A traveling wild west show inspired this artist’s meeting with, and portrait of, Buffalo Bill. The utopian socialism of this artist’s father is discussed in an essay that describes the stronger “pathetic fallacy” in the work of Edwin Landseer. For a large painting compared to the Parthenon frieze, this artist was assisted by Nathalie Micas. Linda Nochlin’s essay “Why Have There Been No Great (*) Women Artists?” extensively discusses this artist, who may have been inspired by George Sand for a painting depicting teams of oxen being driven in a field. This artist of *Ploughing in the Nivernais* donned trousers to paint a tree-lined boulevard along which dealers sell the title animals. For 10 points, name this artist of *The Horse Fair*.

ANSWER: Rosa Bonheur

<Aseem Keyal, Painting>

14. This event provides the backdrop of a novel in which the narrator is forced to fix the teeth of a town’s headman to avoid punishment for borrowing from Four Eyes’s suitcase of books. This event is compared to the pesticides described in *Silent Spring* in a novel in which a woman works as a tree feller near Radar Peak after her astrophysicist father’s death during this event. The third part of the pioneering “misery lit” memoir *Wild Swans* is set during this event. (*) Balzac and a “little” seamstress title a novel set during this event, which also provides the backdrop of the first part of *The Three-Body Problem*. *The Red Detachment of Women* was one of the eight “model plays” promoted during this period. For 10 points, name this tumultuous period in Maoist China.

ANSWER: Cultural Revolution [or Great Proletarian Cultural Revolution; accept Up to the Mountains or Down to the Countryside Movement; accept struggle sessions; prompt on the Chinese Revolution or Mao’s rule of China]

<Jordan Brownstein, World Literature>

15. This geographical feature’s local women were considered “unnecessary and expensive appendages” by the vile “Birchbark Emperor,” its administrator who was the first circumnavigator of the world by land. Thomas Button explored this location while previous visitor Abacuk Prickett navigated. It’s not a river or lake, but a 1929 “dirt research” trip to this body of water was made by Harold Innis, who described the growth of its main industry out of opposition to the *coureurs de bois* (“koo-RURR duh bwah”). Prince (*) Rupert of the Rhine possessed a monopoly in this feature’s watershed while operating on charter from Charles II. In 1611, a man was set adrift by the *Discovery*’s mutineering crew on this body of water, which he had earlier discovered on the *Half Moon* while looking for the Northwest Passage. For 10 points, an English explorer names what Canadian body of water?

ANSWER: Hudson Bay [accept Hudson’s Bay Company; accept James Bay; prompt on Arctic Ocean or Atlantic Ocean] (The first line refers to George Simpson.)

<Tracy Mirkin, Other History>

16. To avoid ascribing too many wives to this man, one of them, Eglah, the mother of Ithream, was conflated with another. A companion of this man intends to shoot three arrows as a signal to indicate that he may return to his home before they embrace and this man “wept the more.” This man was set to marry Merab, the sister of a man with whom this man “became one in spirit.” This man notes that his friend’s “love to me was more wonderful than the love of women.” and curses Mount Gilboa following that man’s death.

Following a brief stay in Mahanaim in Gilead during a revolt, this adoptive father of Mephibosheth defeated his son’s forces at the Battle of the Woods of Ephraim. Adonijah’s plans to usurp this man’s throne were thwarted by the prophet Nathan. Jonathan was the companion of, for 10 points, what King of Jerusalem?

ANSWER: King David

<NourEddine Hijazi, Belief>

17. Bio-Rad sells a protein expression system that includes subtilisin protease both to cleave and to perform this technique on the proteins. A “weak” form of this technique works best for systems with a low association constant; that form of this technique may also be used in fragment-based drug design to screen fragments for specificity. Boronates may be employed in this technique to purify glycoproteins containing 1,2-cis-diol groups. Glutathione, maltose, and imidazole may all be used as eluents in this technique due to their competitive (*) binding with GST, MBP, and nickel ions, respectively. Cobalt ions may also be used in place of nickel in that “immobilized metal” form of this technique. For 10 points, name this chromatography technique in which proteins and biomolecules are purified from solution by their strong, specific interactions with a stationary matrix.

ANSWER: affinity chromatography [accept affinity after “chromatography” is read; or IMAC; prompt on chromatography, liquid chromatography, column chromatography, high-performance liquid chromatography, HPLC, fast protein liquid chromatography, or FPLC; prompt on protein purification, protein identification, or protein detection by asking “what specific technique is used for those goals?”; do not accept or prompt on other forms of chromatography that are non-liquid]

<Sam Botterbusch, Chemistry>

18. A world called “Nowheresville” where these concepts do not exist is considered in a Joel Feinberg paper that contrasts the “manifesto sense” of these concepts with his view of them as “claims.” These concepts title a book whose chapters on “The Model of Laws” kicked off a fierce debate about legal positivism when they were published in 1967. These concepts were derided as “nonsense upon stilts” by Jeremy Bentham. These concepts are treated as (*) “trumps” against majority rule in Ronald Dworkin’s book about “Taking [them] Seriously.” Rousseau’s theories of women’s education are attacked in a treatise titled for the “Vindication” of these concepts of women by Mary Wollstonecraft. For 10 points, Life, Liberty, and Estate are among John Locke’s examples of “natural” examples of what principles of entitlement?

ANSWER: rights [accept any answers including rights, such as human rights or natural rights]

<Jordan Brownstein, Philosophy>

19. During mitosis, proteins like RNF8 and 53BP1 are inactivated to prevent these structures from destabilizing. ALT+ cells can maintain these structures using T-SCE or other recombination-based mechanisms. These structures are protected from repair mechanisms by the shelterin complex. A 1982 paper transferred these structures between *S. cerevisiae* (“sair-uh-VISS-ee-ay”) and (*) *Tetrahymena* (“tetra-HY-meh-nuh”), where their sequence was first discovered. An enzyme regulating these structures includes the subunit hTERT (“h-TERT”) and is often upregulated in cancer cells. These structures prevent end-to-end fusion, and their progressive shortening during cell division explains the Hayflick limit. For 10 points, name these DNA repeats that act as protective caps on the ends of chromosomes.

ANSWER: telomeres [do not accept or prompt on “telomerase”]

<Talia Coopersmith and Deniz Gedik, Biology>

20. **Thomas Welcome Roys, who made his fortune in this industry, shot his own hand off developing technology for use in it. Riches from this industry created the inheritance for the Gilded Age financier known as the “Witch of Wall Street,” Hetty Green. Freed slave Lewis Temple invented a “toggle” that became popular in this industry. Sveyn Foyd modernized this industry by introducing grenade technology to it in 1870. This industry provided most of the vehicles which were filled with (*) stones and sunk to blockade South Carolina ports during the Civil War. Despite predictions that it would be replaced, this industry grew even after the 1859 discovery of petroleum in Titusville. Massachusetts ports like New Bedford were centers of this industry. For 10 points, name this industry that harvested its namesake animal’s blubber.**

ANSWER: whaling [accept answers of whaling products like whale oil or whale blubber]

<Emmett Laurie, American History>

Bonuses

1. One of these substances is profiled in a book by Martin A. Lee that describes Nixon's use of Operation Intercept to try to find them at the US border. For 10 points each:

[10e] Identify these substances that include marijuana and cocaine.

ANSWER: **drugs** [or **psychoactive** drugs; prompt on **controlled** substances] (The Lee book is *Smoke Signals*.)

[10m] A radical group's orange poster about "the Drug War" inspired the title of this book about America's racial caste system, which opens by describing Jarvious Cotton's inability to vote.

ANSWER: *The **New Jim Crow*** [or "The Drug War is the **New Jim Crow**"]

[10h] In *The New Jim Crow*, Michelle Alexander draws on *Arbitrary Justice*, a book by a legal scholar with this name, to highlight the vast power given to prosecutors in the War on Drugs. An unrelated writer with this first and last name co-founded Critical Resistance and wrote *Women, Race and Class*.

ANSWER: **Angela Davis** [accept **Angela J. Davis** or **Angela Yvonne Davis**; prompt on partial answers]

<Harris Bunker, Social Science>

2. An essay by this translator notes her decision to leave the word "trace" untranslated, but urges readers to remember the "track" or "spoor" contained in the original word. For 10 points each:

[10h] Name this writer whose 1976 English translation of a book by another philosopher opens with a 100-page "Translator's Preface" in which she discusses the "question of the preface."

ANSWER: Gayatri **Spivak**

[10e] In 2016, Gayatri Spivak's translation of Jacques Derrida's *Of Grammatology* was republished with an introduction by this philosopher, who argued that gender is performative in the book *Gender Trouble*.

ANSWER: Judith **Butler** [or Judith Pamela **Butler**]

[10m] Spivak observes that this book's author "damned the preface" even as he wrote its lengthy preface. This 1807 work uses the word *aufheben* to denote the "sublation" of concepts by their opposites.

ANSWER: *The **Phenomenology of Spirit*** [or ***Phänomenologie des Geistes***] (by Georg Wilhelm Friedrich Hegel)

<Jordan Brownstein, Philosophy>

3. Benign fibroids are most commonly found in this organ, and are often treated with artery embolization or myomectomies. For 10 points each:

[10e] Name this organ that is removed in a hysterectomy. The gestating fetus develops in this organ.

ANSWER: **uterus** [or **womb**]

[10h] In the last 30 years, myomectomies and hysterectomies have often been performed with the aid of these devices that facilitate minimally invasive surgeries. These devices constitute a camera attached to a long fiber cable inserted through a small incision in the abdomen.

ANSWER: **laparoscope** [or word forms like **laparoscopy**; prompt on **endoscope** or **endoscopy**]

[10m] Laparoscopy is often used to diagnose this condition, which occurs when tissue resembling the uterine lining grows outside the uterus. This often-painful condition can create distinctive powder-burned lesions.

ANSWER: **endometriosis** [accept **endometriomas** or **endometriomata**]

<Shan Kothari, Biology>

4. *Guaguancós* (“gwa-gwan-KOH’s”) usually feature three of these instruments, on which skilled players can produce a resonant *tono tapado*. For 10 points each:

[10h] Name this instrument that along with the bass might provide the *tumbao* in a *descarga*. It was played by a musician who covered Herbie Hancock’s “Watermelon Man” in a landmark 1962 hit in the genre of boogaloo.

ANSWER: the **conga** [or **tumbadora**; prompt on **drums**; anti-prompt on **quinto**; anti-prompt on **tres dos** or **tres golpes**; anti-prompt on **tumba**] (That musician is Mongo Santamaría.)

[10e] The conga is a drum from this Latin American country, and is a major instrument in a variety of jazz named for this country prefixed “Afro-.” The conga and claves (“CLAH-vays”) often accompany performances of this country’s rumba dance.

ANSWER: **Cuba** [accept Afro-**Cuban** jazz]

[10m] One of the earliest Afro-Cuban jazz musicians, the conga drummer Chano Pozo, co-wrote hits like “Manteca” with this other musician. This musician’s other standards include “Salt Peanuts” and “A Night in Tunisia.”

ANSWER: Dizzy **Gillespie** [or John Birks **Gillespie**]

<Michael Yue, Other Arts>

5. A company named for this man agreed with Kenneth Kaunda on an ultimately unsuccessful project to have 1000 Zambian families found utopian communities, which would then be owned by the company. For 10 points each:

[10h] Name this religious leader, who developed a practice that led Joaquim Chissano to prescribe two 20-minute meditation sessions to his country’s police officers.

ANSWER: **Maharishi** Mahesh Yogi [or **Maharishi** World Development Fund] (That practice is Transcendental Meditation.)

[10m] Chissano was president of this country, whose independence was the goal of a group founded by Eduardo Mondlane. Operation Gordian Knot targeted forces in this country led by Samora Machel.

ANSWER: **Mozambique** [or Republic of **Mozambique**]

[10e] The real estate company Maharishi Heaven on Earth Development sold the Fleck/Paterson House to this country, who uses it as its Canadian embassy. The FLN was the first ruling party of this former Francophone colony.

ANSWER: **Algeria** [or People’s Democratic Republic of **Algeria**]

<Emmett Laurie, World History>

6. Lady Gregory claimed that this play’s audience broke into disorder over its use of the word “shift” for underwear. For 10 points each:

[10m] Name this play that sparked 1907 riots at the Abbey Theater for its allegedly insulting depiction of the Irish peasantry.

ANSWER: *The **Playboy of the Western World*** (by J. M. Synge)

[10e] Years after the *Playboy* riots, this poet told rioters at a performance of Sean O’Casey’s *The Plough and the Stars* that “you have disgraced yourself again.” This Irish poet also wrote “The Second Coming.”

ANSWER: William Butler **Yeats**

[10h] James Joyce, who was envious of the *Playboy* riots, had earlier written a letter of protest against Lady Gregory’s production of this Yeats play. In this play, the title woman sells her soul to feed her starving tenants.

ANSWER: *The **Countess Cathleen***

<Margaret Tebbe, British Literature>

7. The platform Neo4j is a management system that models these things on the structure of a graph, with records stored as nodes. For 10 points each:

[10e] Name these tools for organizing and storing information that more often follow the relational model and can be queried using SQL.

ANSWER: **databases**

[10m] Databases are ideally compliant with this set of four properties that ensure the reliability of database transactions in spite of failures. These properties are often designated by a four-letter acronym.

ANSWER: **ACID** [or **atomicity, consistency, isolation, and durability** in any order; accept word forms]

[10h] To maintain isolation, it is often desirable for schedules of concurrent transactions to have this rather strict property, which can be tested with a precedence graph. Two-phase locking is a mechanism to achieve this property.

ANSWER: conflict-**serializability** [or word forms]

<Ayush Parikh, Other Science>

8. On *This is Your Life*, NBC surprised Reverend Kiyoshi Tanimoto, a survivor of a campaign that took place in these two cities, by bringing out one of its perpetrators, Captain Robert Lewis. For 10 points each:

[10e] Name these two Japanese cities, which the US dropped atomic bombs on during World War II.

ANSWER: **Hiroshima** and **Nagasaki**

[10h] Tanimoto brought these women to America to undergo free surgery at Mount Sinai Hospital. These 25 women were the first *hibakusha* (“hee-BA-koo-sha”), or “bomb-affected people,” to go to America.

ANSWER: Hiroshima **Maidens** [or Atomic **Maidens**]

[10m] Tanimoto is among the six people profiled in this man’s *Hiroshima*, a book-length essay about the bombing. This man’s novel *A Bell for Adano* won the Pulitzer Prize.

ANSWER: John **Hersey**

<Emmett Laurie, American History>

9. In March 2020, this company made its Open Access content accessible to people without accounts. For 10 points each:

[10e] Name this digital library with thousands of academic journals. Its name is an abbreviation for *Journal Storage*.

ANSWER: **JSTOR**

[10h] In 2011, this programmer and activist was arrested for mass downloading JSTOR articles as part of his effort to make academic material publicly available.

ANSWER: Aaron **Swartz**

[10m] Swartz also coordinated the uploading of Google Books-digitized public domain books to this website, which also runs the Open Library project.

ANSWER: **Internet Archive** [or **archive.org**]

<Emmett Laurie, Miscellaneous>

10. This author used passages imitating Marcel Proust, Victoria Holt and Charles Dickens to tell the story of a character alternately called Pip and Rosa in her pastiche novel *Great Expectations*. For 10 points each:

[10h] Name this novelist associated with the punk movement, who wrote about Janey’s incestuous relationship with her father in *Blood and Guts in High School*.

ANSWER: Kathy **Acker**

[10m] This poet’s book *A Critical Fable* was written as a pastiche of her relative’s poem *A Fable for Critics*, which itself gently mocked earlier American poets. This Imagist also wrote the poem “Patterns.”

ANSWER: **Amy Lowell** [prompt on **Lowell**]

[10e] Alexandra Ripley’s critically-panned pastiche novel *Scarlett* was written as a sequel to this lengthy novel by Margaret Mitchell, which focuses on Scarlett O’Hara during the Civil War and Reconstruction.

ANSWER: **Gone with the Wind**

<Taylor Harvey, American Literature>

11. The development of representational art is analyzed from a psychological perspective in an E. H. Gombrich essay titled for *Meditations on [one of these objects]*. For 10 points each:

[10h] Name these objects. The name for one of these objects is referenced in an unrelated anecdote involving the German writer Richard Huelsenbeck and a letter opener.

ANSWER: a **hobby horse**

[10e] That anecdote is one of the possible origins of the name of this avant-garde artistic movement, which was described by Tristan Tzara as a “virgin microbe.” Its other members included Marcel Duchamp.

ANSWER: **Dada** [or **Dadaism**]

[10m] This artist included newspaper clippings of the word “Dada” among cutouts of wheels and disembodied heads in the massive photomontage *Cut With the Kitchen Knife*.

ANSWER: Hannah **Höch**

<Aseem Keyal, Painting>

12. In 1992, a poet born in this country relocated from Jamaica to the US state that titles his 2019 poetry collection *Nebraska*. For 10 points each:

[10h] Name this country. An author from this country who died in a 2013 shooting in Kenya allegorized colonialism as a bird “preaching salvation to us that owned the house” in “The Weaver Bird.”

ANSWER: **Ghana**

[10e] The author of *Nebraska*, Kwame Dawes, is the editor of *Prairie Schooner*, a prestigious one of these institutions. Other examples of these institutions include *Granta*, *The Kenyon Review*, and *The Paris Review*.

ANSWER: literary **magazines** [or literary **journals**]

[10m] Kofi Awoonor’s poem “Lament of the Silent Sisters” is dedicated to this poet, who wrote “Elegy for Alto” shortly before being killed in the Nigerian Civil War.

ANSWER: Christopher **Okigbo**

<Jordan Brownstein, World Literature>

13. When reading from the Torah scroll, Yemeni Jews also read a verse from one of these texts. For 10 points each:

[10h] Name these Aramaic translations of the Old Testament. The Onkelos edition of these texts is the translation of the Torah, while the Jonathan edition is the translation of the Nevi’im (“neh-vee-EEM”).

ANSWER: **Targum** [or the plural **Targumim**]

[10e] Yemeni Jews notably do not participate in the tashlikh (“TAHSH-leeckh”) atonement ritual during this holiday, the Jewish New Year and first of the High Holy Days.

ANSWER: **Rosh Hashanah**

[10m] Yemeni Jews also only perform this action forty times as opposed to the customary one hundred times on Rosh Hashanah.

ANSWER: **blowing the shofar** horn [or **teki’at shofar**]

<NourEddine Hijazi, Belief>

14. This poet wrote that “The sky turns pink and there is no one to cry with, to reminisce with” in her collection *Northern Elegies*. For 10 points each:

[10m] Name this poet who wrote that “What I have written, I have written” when asked to explain her “Poem Without a Hero.”

ANSWER: Anna **Akhmatova** [or Anna Andreyevna **Gorenko**]

[10h] This other poet, who committed suicide rather than inform for the NKVD, wrote “I’d like to live with you / In some small town / In never-ending twilight / And the endless sound of bells” in her poem “We Shall Not Escape Hell.”

ANSWER: Marina Ivanovna **Tsvetaeva**

[10e] Anna Akhmatova’s poem “There are Four of Us” compares a branch of elderberry to one of these works by Tsvetaeva. Like other epistolary novels, Dostoevsky’s *Poor Folk* is presented as a set of these works.

ANSWER: **letters**

<Margaret Tebbe, European Literature>

15. This work initially presents its main melody with the unusual notation of tying two eighth-notes of the same value rather than writing out quarter notes, leading to some confusion over its interpretation. For 10 points each:

[10m] Name this work that was originally performed after a “Cavatina” in the composer’s 13th string quartet in B-flat major before being separated into its own work.

ANSWER: the **Grosse Fuge** [or the **Große Fuge**; or the **Great Fugue**; or the **Grand Fugue**; accept, but DO NOT REVEAL, Ludwig van **Beethoven**’s **Opus 133**]

[10e] This composer of the *Grosse Fuge* was inspired by his mid-career studying of Bach and Handel to write complicated double fugues in works like the *Hammerklavier* sonata and his “Choral” ninth symphony.

ANSWER: Ludwig van **Beethoven**

[10h] One of Beethoven’s first late-period double fugues is found in the finale of his fifth of these works in D major. Steven Isserlis called Beethoven’s third of these works in A major the first to treat all of its performers equally.

ANSWER: **cello sonata** [or **sonata**s for **cello** and piano]

<Michael Yue, Music>

16. This man labeled his creamware “Queen’s Ware” after Queen Charlotte bought a product line. For 10 points each:

[10m] Name this entrepreneur who pioneered marketing tactics to appeal to the aristocracy’s conspicuous consumption. This potter who developed jasperware designed the Frog Service for Catherine the Great.

ANSWER: Josiah **Wedgwood**

[10h] Wedgwood was strongly influenced by his affiliation with this religious movement, which had its first congregation in England at Essex Street Chapel. John Biddle and Theophilus Lindsey led this movement in England.

ANSWER: **Unitarianism** [do not accept or prompt on “Unitarian Universalist”]

[10e] Wedgwood designed a famous medallion inscribed with the words “Am I Not a Man and a Brother?” in support of this movement. William Wilberforce championed this movement to free slaves in the British Caribbean.

ANSWER: **abolitionism**

<Nitin Rao, Other History>

17. Frank Hauser names a reaction similar to this one in which a Diekmann condensation replaces this reaction's aldol condensation. For 10 points each:

[10h] Name this reaction that produces a derivative of cyclohexenone ("cyclo-HEX-eeen-own") and is used to produce fused ring systems. The first step of this reaction is a Michael addition.

ANSWER: **Robinson** annulation [or **Robinson** reaction]

[10m] That initial Michael addition creates one of these negatively-charged, nucleophilic intermediates. One of these intermediates, which can be produced by reacting a carbonyl compound with LDA, attacks another carbonyl in the Robinson annulation.

ANSWER: **enolate** ("EEN-ol-ate")

[10e] The Robinson annulation concludes with a unimolecular elimination reaction that forms an anion intermediate, which is an example of these species. These species are formed when an acid is deprotonated in solution.

ANSWER: **conjugate base** [prompt on partial answer]

<Sam Botterbusch, Chemistry>

18. Dissidents and political enemies of Russia have a much higher-than-average rate of being the victim of an unsolved assassination. Curious. Answer some things about those crimes, for 10 points each.

[10m] This former FSB officer and defector to Britain fled Russia in 2000 after accusing his bosses of murdering an oligarch. Six years later, he mysteriously died of polonium poisoning after meeting with Russian agents.

ANSWER: Alexander **Litvinenko**

[10e] In 1978, Bulgarian journalist Georgy Markov was stabbed in the leg with one of these anti-weather items, which probably delivered him a ricin pellet.

ANSWER: **umbrellas** [or **parasols**]

[10h] The chloracne ("klor-ak-nee") that appeared on this man's face in 2004 was the result of severe dioxin poisoning. While he has mostly fallen out of political relevance, that hasn't stopped him from climbing Mount Hoverla each year.

ANSWER: Viktor **Yushchenko**

<Tracy Mirkin, European History>

19. Adi Shankara's monist philosophy of Advaita Vedanta argued that one can separate themselves from this concept, namely its Nigura form. For 10 points each:

[10m] Name this concept that Shankara called the only truth. The *Mandukya Upanishad* describes the unity between this concept and a related one roughly meaning "soul."

ANSWER: **Brahman** [do not accept or prompt on "Brahmin," and ask players to spell if unsure]

[10e] The *Mandukya Upanishad* opens by declaring "[this syllable]! This Imperishable Word is the whole of this visible universe." This syllable is often followed by "shanti" in texts.

ANSWER: "**om**" [or "**aum**"]

[10h] Buddhism rejects the notion of an unchanged, permanent soul because of its notion of "unself" known by this Pali term.

ANSWER: **anatta** [or **anatman**]

<NourEddine Hijazi, Belief>

20. Georges Charpak won a Nobel Prize for the invention of a radiation detector of this type that consists of parallel wires running through a mix of counting gas and quenching gas. For 10 points each:

[10h] Name this type of radiation detector in which photons create ion pairs, then electrons drift towards the anode until the field strength is high enough to cause Townsend avalanches. They are designed so that one ionization event creates one avalanche.

ANSWER: **proportional** counter [accept **proportional** detector or **proportional** chamber; accept **multiwire proportional** chamber]

[10m] This particle was discovered by teams at SLAC and Brookhaven, with the Brookhaven experiment using Charpak's multiwire proportional chamber. This particle is a charm-anticharm bound state.

ANSWER: **J/psi** meson [prompt on **charmonium**]

[10e] The W and Z bosons, which are carriers of this fundamental force, were discovered using the multiwire proportional chamber. Particle decay occurs through this force.

ANSWER: **weak** interaction [or **weak** nuclear force]

<Jonathen Settle, Physics>