

Prison Bowl XIII: XIII Is Unlucky for a Reason

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PACKET TWO

Tossups:

1.

In one work set in this city, the narrator is called a “publishing scoundrel” by Juliana Bordereau after searching a desk for the title papers of the poet Jeffrey Aspern. In a work partially titled for this city, a writer describes a boy standing in a graveyard as possessing a “distinctly foreign, exotic air” and having (*) red hair; that writer later dies in a cholera epidemic on Lido Island. A handkerchief prompts the protagonist of another work set in this city to strangle his wife; that protagonist commits suicide after realizing that he has been tricked by Iago. Othello is the Moor of, for 10 points, what Italian city on the Adriatic Sea that features canals?

ANSWER: Venice [accept Venezia, accept *Death in Venice*, accept *Der Tod in Venedig*] <AZ>

2.

Cabildo is an opera by a female composer from this non-Ireland country who also wrote a *Gaelic Symphony*. A piece by a composer from this country begins with a [read slowly] B-flat low C-sharp low E E-flat trumpet motif before four flutes respond with increasingly agitated phrases. Amy Beach was a composer from this country. One composer from this country composed the (*) *Concord Sonata* and “The Unanswered Question.” Another composer from this country composed the ballets *Billy the Kid* and *Appalachian Spring*. For 10 points, name this country of composers Charles Ives and Aaron Copland.

ANSWER: United States of America [accept either; accept USA or US] <BC>

3.

This artist’s breakthrough song includes the lyrics “No fair, You really know how to make me cry when you gimme” the title body parts. This musician has a video interview series with Vanity Fair with the same questions asked a year apart. In one song, this musician sings, “I’m in love, but not with anybody else / Just wanna get to know myself.” This artist of (*) “Ocean Eyes” sings “Bruises on both my knees for you” and “I’m that... might seduce your dad type” on one song. For 10 points, name this artist of “My Future” and the album *When We All Fall Asleep, Where Do We Go?*, which features the song “Bad Guy.”

ANSWER: Billie Eilish (Pirate Baird O’Connell) <RY>

4.

They’re not helminths, but some members of this phylum use the process of strobilation to reproduce. They’re not plants, but Pneumatophores (“new-MAT-oh-fours”) are found in members of this phylum, which also includes Siphonophores (“sigh-FAWN-oh-fours”). Crown of thorns starfish prey on members of this phylum. Mesoglea is a tissue found in members of this phylum, whose three life stages are (*) planula, medusa, and polyp. The members of this phylum can be distinguished by the presence of cnidocytes (“NIGH-doe-sites”), which are specialized cells used to catch prey by firing harpoon-like structures. For ten points, name this phylum that includes sea anemones, corals, and jellyfish.

ANSWER: Cnidaria [accept cnidarians; prompt on coelenterata or coelenterates] <MBK>

5.

The Majapahit kingdom was established after one of this man’s expeditions was defeated by Raden Wijaya. This man divided his empire into four nationalities, one of which was pejoratively known as “manzi.” This

ruler was unable to fully defeat his cousin Kaidu in one war. This ruler fought his brother Ariq Böke for the title of Great (*) Khan during the Toluid Civil War. This man lived in Shangdu before moving to Beijing after his conquest of the Song dynasty. This ruler twice failed to conquer Japan due to kamikaze winds. Marco Polo worked at this man's court. For 10 points, name this first Yuan ruler of China, the grandson of Genghis Khan.

ANSWER: **Kublai** Khan [accept **Khubilai** or **Kubla**; prompt on **Shizu**] <BKC>

6.

This body of water's namesake submarine fan is the largest in the world. Fort St. George is located in the Coromandel Coast along this body of water. An island east of this body of water contains the city of Port Blair. The world's longest beach is located along this body of water in Cox's Bazar, as are the (*) Sundarbans. The world's last "Stone Age" people live on the Sentinelese Islands, part of the Andaman and Nicobar Islands, on the eastern boundary of this body of water, and Chennai is located on its shores. The Ganges River flows into, for 10 points, what large northeastern bay of the Indian Ocean?

ANSWER: Bay of **Bengal** [prompt on **Indian Ocean** until mention; do not accept "Andaman Sea"] <NW>

7.

In one collection, this writer wrote of a woman who "seemed a thing that could not feel the touch of earthly years"; that poem begins with the line "A slumber did my spirit seal." Another poem by this author states that "A poet could not but be gay / In such a jocund company"; that poem ends "And then my heart with pleasure fills / and (*) dances with" the title flowers. In another work, this poet states that "Five years have past" since he last looked upon the ruins of the title location. For 10 points, name this British poet who collaborated with Samuel Taylor Coleridge on the collection *Lyrical Ballads* and wrote "Daffodils" and "Tintern Abbey."

ANSWER: William **Wordsworth** <AZ>

8.

An isotope of an element in this group is the lightest to undergo double beta decay, and the Pidgeon process is used to produce one element in this group. Dolomite consists of a carbon and two different elements from this group, and this group includes the heaviest element used in (*) YBCO superconductors. The heaviest element discovered by Marie Curie is in this group. This group gets its name from the basic properties of its elements' oxides, and all elements in this group have two valence electrons. For 10 points, name this group of elements, which includes barium, calcium, and magnesium.

ANSWER: the **alkaline earth** metals [accept Group **2** or Group **2A**; do not accept or prompt on "alkali metals"] <BC>

9.

In the Armenian Church, this process is known as matagh. Luke chapter two describes this process involving doves. It's not tending sheep, but God preferred Abel to Cain because he performed this action. Maimonides believed that one type of this action was unexplainable; that type of this action was done to a (*) red heifer. Jews stopped doing this action following the destruction of the temple, though Samaritans still perform this action regularly and Muslims do it on Eid al-Adha. For 10 points, name this religious practice that is often performed at an altar using a knife.

ANSWER: **sacrificing** an **animal** [prompt on partial; prompt on **kill**ing or **slaughter**ing an **animal**; prompt on just **kill**ing or **slaughter**ing and then follow earlier prompt instructions] <AJ>

10.

This city's underworld is the setting for the film *M*, and the Institute of Sexology was established in this city. One picture of a man on top of a building in this city was doctored to remove a looted watch. Dutch Communist Marinus van der Lubbe burned down one building in this city, prompting that building's namesake (*) "Fire Decree." Gail Halvorsen dropped candy for kids during this city's namesake airlift. This city's namesake crisis saw American and Soviet tanks face off at Checkpoint Charlie. For 10 points, name this capital of Germany, divided by a wall between 1961 and 1989.

ANSWER: **Berlin** <BKC/PO>

11.

In one work, this author wrote "When have I not feared dangers graver than the real? Love is a thing ever filled with anxious fear." This writer began Book III of another work by claiming that "with the arms of the Amazons I have furnished the Greeks." This poet, who, after "a poem and a mistake," was (*) exiled to Tomis, wrote in another work about a hunter who was eaten by his own hounds after getting turned into a stag. This author of the *Heroides* and *Ars Amatoria* wrote about Scylla and Minos, Diana and Actaeon, and other mythological transformations in his most famous work. For 10 points, name this Roman poet of *The Metamorphoses*.

ANSWER: Publius **Ovidius** Naso <AZ>

12.

This function of a complex number equals e to the $i x$ plus e to the negative $i x$ over two, and the Taylor series expansion of this function is $\sum_{n=0}^{\infty} \frac{x^{2n}}{(2n)!}$. This function of θ times the magnitude gives a complex number's (*) real part, and the x -value of a point on the unit circle is defined as this function of θ . The law of this function is $c^2 = a^2 + b^2$ minus $2ab$ this function of θ and this function is the reciprocal of secant. For 10 points, name this trigonometric function that is defined as adjacent over hypotenuse.

ANSWER: **cosine** <BC>

13.

This substance was given to Prithu, an avatar of Vishnu, by the earth goddess Prithvi, creating all the world's vegetation and grain. A verse from First Corinthians describes feeding someone this substance instead of solid food, "for you were not yet ready for it." The Hindu creation myth involves (*) churning an ocean of this substance, which is forbidden by kosher restrictions to be mixed with meat. The Ramadan fast is traditionally broken by eating a date and drinking this liquid, and Israel is described as "flowing of [this liquid] and honey." For 10 points, name this dairy product which the cow Audumbla produced to feed Ymir in the Norse creation myth.

ANSWER: **milk** <RY>

14.

Théophile Steinlen ("TAY-oh-feel STINE-len") was a designer of these works of art, one of which references a location owned by Rudolphe Salis ("RU-dolf sah-LEE"). It's not graffiti, but Shepard Fairey is known for his work in this medium, including a portrait of a man in blue, red, and beige. One of these works of art depicts a woman with a butterfly over her mouth, and J. M. (*) Flagg depicted himself in a pose similar to an earlier depiction of Lord Kitchener wearing patriotic colors for one of these works depicting Uncle Sam. For 10 points, what art form includes a piece depicting a woman flexing her muscle while saying "we can do it"?

ANSWER: **posters** [accept more specific types, like propaganda **posters** or movie **posters**; prompt on **advertisements**] <AJ>

15.

The Omakaitse was a militia group in this country and Lennart Meri was this country's first democratically elected president. This country and its easternmost neighbor share Europe's largest transboundary lake, Lake Peipus. This country was the northernmost country to gain independence in the (*) Singing Revolution. It's not Norway, but a large ethnic minority in this country's eastern section is concentrated in the city of Narva, which contains a branch of the University of Tartu. This country was the first to have nationwide e-voting, and it is the home country of Skype. For 10 points, name this northernmost Baltic state, with capital at Tallinn.

ANSWER: Republic of **Estonia** [accept **Eesti** Vabariik] <BC>

16.

In one work, a character with this surname meets with her childhood sweetheart Henry Clinton, and she finds a pamphlet belonging to her father titled "The Black Plague." In another work, a member of this family, which also includes Aunt Alexandra, is asked to shoot a rabid dog because he is the best shot in the county. That character is appointed to defend Tom (*) Robinson, and two characters with this surname are attacked by Bob Ewell while walking around Maycomb, with one breaking an arm and the other protected by a ham costume. For 10 points, name this central family of Harper Lee's *To Kill A Mockingbird* that includes Atticus, Jem, and Scout.

ANSWER: **Finch** family [accept the **Finches**; accept Atticus **Finch**, Alexandra **Finch**, Jean Louise **Finch**, or Scout **Finch**] <RY>

17.

This quantity can be multiplied by c on the y-axis in a Minkowski diagram, and the Lorentz-boosted form of this factor contains a term of $v \times$ over c squared. The y-axis of a Penrose diagram measures this quantity, which also appears along with mass in the spring constant. For an object with constant acceleration, this quantity is squared and multiplied by one half times the (*) acceleration to yield displacement. It's not longitude, but the H4 device was constructed to measure this quantity on ships. This quantity's variance in inertial reference frames leads to the twin paradox. For 10 points, name this fourth dimension, measured in seconds.

ANSWER: **time** <AJ>

18.

One part of this experiment involved a Santa Claus mask, and the leader of this experiment became an advertising executive rather than completing it. Mary Cover Jones tried to reverse the effects of this experiment, which was conducted at the Harriet Lane Clinic, in part by (*) Rosalie Rayner. The formulator of this experiment struck a steel bar with a hammer after its subject was exposed to a rabbit, a dog, and a white rat. For 10 points, name this experiment conducted by behaviorist John B. Watson which led to the development of a fear of furry objects in the namesake boy.

ANSWER: **Little Albert** experiment <AZ>

19.

Joshua Rifkin repopularized this composer's works in the 1970s. One 2/4 piece by this composer opens with the right hand playing [read slowly] D E C A B low G with the instruction "not fast." One of this man's now-lost operas, *A Guest of Honor*, dramatizes the meeting between Theodore Roosevelt and Booker T. Washington, and this composer praised education in his opera (*) *Treemonisha*. The sheet music to one work by this composer was the first instrumental to sell one million copies. This composer was known for his use of syncopation in his pieces and popularized ragtime. For 10 points, name this composer of "Maple Leaf Rag" and "The Entertainer."

ANSWER: Scott **Joplin** <PO>

20.

The Organic Act led to this case, in which Robert Townsend Hooe and Dennis Ramsay were plaintiffs. Charles Lee simultaneously represented the plaintiffs in this case and *Stuart v. Laird*. Because the Supreme Court did not legally have (*) original jurisdiction over this case, this case resulted in the decision that the Supreme Court could not issue writs of mandamus (“man-DAY-mus”) to government officials. This case pertained to the legality of the suspension of a “midnight appointment” made by President John Adams. For 10 points, name this 1803 case in which Chief Justice John Marshall established the concept of judicial review.

ANSWER: **Marbury** v. Madison <AZ>

TB.

This painting was singled out by Louis (“LOO-ee”) Leroy at the 1874 Paris art exhibition as being exemplary of other paintings in a similar style. Shapes often misconstrued as trees on the left side of this painting are the smokestacks of steamships. The right side of this painting depicts a set of faraway (*) cranes, while the foreground depicts fishing boats, and the focal point of this painting is a red sun. This painting was made as part of a series of six paintings depicting the harbor at Le Havre (“luh AHV-ruh”) at different times of day. For 10 points, name this Claude Monet painting of the title phenomenon that helped popularize the name of Monet’s art movement.

ANSWER: **Impression: Sunrise** [accept **Impression, soleil levant**] <AJ>

Bonuses:

1.

This man passed the Great Society program of legislation to attack poverty in the United States. For 10 points each:
[10] Name this 36th President, under whom the War on Poverty helped reduce poverty rates from 17% to 12% in five years. He pushed for the Gulf of Tonkin resolution and expanded the Vietnam War.

ANSWER: Lyndon Baines Johnson [accept **LBJ**; prompt on Johnson]

[10] After becoming Vice President, Johnson was succeeded as Senate Majority Leader by this state's Mike Mansfield. Robert La Follette's running mate, Burton K. Wheeler, was another Senator from this state, as was Jeanette Rankin, the first female Representative.

ANSWER: **Montana**

[10] Johnson also passed a slate of comprehensive civil rights legislation, including this act, whose "coverage formula," requiring Congressional preclearance before actions like redistricting, was ruled unconstitutional in *Shelby County v. Holder*.

ANSWER: **Voting Rights Act** of 1965 [accept **Civil Rights Act of 1965**; accept **An Act to Enforce the Fifteenth Amendment of the Constitution of the United States, and for Other Purposes**; prompt on Civil Rights Act; do not accept or prompt on "Civil Rights Act" of any year that is not 1965] <PO>

2.

This entity has a frequency greater than that of infrared radiation and lesser than that of UV radiation. For 10 points each:

[10] Name this massless entity, which fires produce — along with heat — and which can be seen.

ANSWER: visible **light**

[10] This law, which describes the absorbance of light as it passes through a medium, can be used to analyze a sample. It is stated as $a = \epsilon b c$, where ϵ is the molar absorptivity constant.

ANSWER: **Beer's law** [accept **Beer-Lambert** or **Lambert-Beer** law]

[10] In Beer's law, c represents this quantity of the species, which is inversely proportional to the path length. Putting square brackets around a chemical species in an expression represents this quantity of that species.

ANSWER: **concentration** [accept **molarity**] <BC>

3.

A good pianist can make a work of music come alive. For 10 points each:

[10] Name this Chinese pianist who claims that the *Tom and Jerry* episode "The Cat Concerto" inspired him to take up the instrument. He aroused controversy over his performance of "My Motherland" at a 2011 state dinner.

ANSWER: **Lang** Lang

[10] Johannes Brahms reportedly slept through one of this Hungarian virtuoso's performances. This man composed works such as "La Campanella" and the Transcendental Études.

ANSWER: Franz **Liszt**

[10] This French pianist, while less virtuosic than Lang and Liszt, composed such pieces as *Ballade Pour Adeline* and *Mariage d'amour*.

ANSWER: Richard **Clayderman** [accept Philippe **Pagès**] <AZ>

4.

“It was many and many a year ago, / In a kingdom by the sea.” For 10 points each, name some things about literary characters named Annabel Lee.

[10] The most notable Annabel Lee titles a poem by this author of “The Cask of Amontillado” and “The Raven.”

ANSWER: Edgar Allan **Poe**

[10] This narrator of *Lolita* has an affair as a teenager with a girl named Annabel Leigh, but she moves away and dies of typhus before they can have sex. This man later marries Charlotte Haze.

ANSWER: **Humbert Humbert** [accept partial]

[10] This author published a novel titled *The Beautiful Annabel Lee was Chilled and Killed* in 2007. This author also wrote *Teach Us to Outgrow Our Madness* and a novel in which Bird has a son born with a brain hernia.

ANSWER: Kenzaburo **Oe** (“OH-ay”) <RY>

5.

For 10 points each, name some things about Amy Coney Barrett’s nomination to the Supreme Court.

[10] Barrett is part of this charismatic Catholic organization, whose members have adopted certain Pentecostal practices.

ANSWER: **People of Praise**

[10] Barrett was a member of this association of conservative lawyers and jurists until her appointment to the bench in 2017. A majority of members on the Supreme Court are former members of this organization.

ANSWER: **Federalist** Society for Law and Public Policy Studies

[10] Barrett succeeded this justice, who was appointed by Bill Clinton in 1993.

ANSWER: Ruth Bader **Ginsburg** [accept **R.B.G** or nicknames including that initialism] <PO>

6.

En garde! For 10 points each, name some things about fencing in literature.

[10] In this Molière play, the title character Monsieur Jourdain attempts to learn fencing among other things despite his age, and fails miserably at it. He marries his daughter Lucille to Cléonte, who pretends to be a Turkish sultan.

ANSWER: *The **Bourgeois Gentleman*** [accept *Le **Bourgeois Gentilhomme***, *The **Would-Be Gentleman***, *The **Would-Be Noble***, or *The **Middle-Class Aristocrat***]

[10] In J.D. Salinger’s *The Catcher in the Rye*, this character acts as the fencing manager of Pencey Prep before losing all the equipment on the subway. This narrator also has a baseball glove from his deceased brother Allie.

ANSWER: **Holden** Caulfield [prompt on **Caulfield**]

[10] In *Hamlet*, this character engages in a fencing duel with the title character and poisons his sword, but they then swap swords and he is killed. This character is the brother of Ophelia and the son of Polonius.

ANSWER: **Laertes** <BC>

7.

In Chinese mythology, history begins with two groups of emperors. For 10 points each:

[10] The first group of three Primeval Emperors is followed by a group of this number of Premier Emperors. Huangdi, the Chinese phrase for emperor, comes from the name of the first of this number of emperors.

ANSWER: **five**

[10] Nuwa, the mother goddess in Chinese mythology, uses five of these objects to mend the sky after Gong Gong causes half of the world to fall. In Greek mythology, Rhea gives Kronos one of these objects to eat instead of their youngest son Zeus.

ANSWER: **stones** [accept obvious equivalents like **rocks**]

[10] In one account of the beginning of Chinese agriculture, Shennong climbs various mountains to find the seeds for five of this category of plants, including millet and rice.

ANSWER: **grains** <RY>

8.

Many 19th-century European artists were inspired by woodblock prints from this country. For 10 points each:

[10] Name this country known for art printed on mulberry paper, such as *The Great Wave*, one of the *Thirty-Six Views of Mount Fuji*.

ANSWER: **Japan** [accept **Nippon**-koku or **Nihon**-koku if they are weebz]

[10] This French artist was heavily inspired by Japanese art, such as in his poster for the *Divan Japonais*. This artist also painted *In Bed*.

ANSWER: Henri (Marie Raymond) de **Toulouse-Lautrec**-Monfa

[10] Toulouse-Lautrec painted many scenes set at this French cabaret, also the subject of a 2001 Baz Luhrmann film.

ANSWER: Le **Moulin Rouge** <AJ>

9.

For 10 points each, answer these questions about award-winning podcaster Mike Duncan:

[10] Duncan began his first podcast, *The History of Rome*, by recounting the story of Aeneas, the son of Anchises (An-ky-sees) and this Roman goddess.

ANSWER: **Venus** [do not accept or prompt on “Aphrodite”]

[10] Duncan’s book *The Storm Before the Storm* examines the events that set the stage for the ultimate collapse of the Roman Republic. Such events include this conflict, in which dozens of Italian tribes revolted after being denied citizenship by the Senate.

ANSWER: **Social** War [accept **Marsic** War, accept War of the **Allies**, accept Bellum **Sociale**, prompt on **Italic** War or **Italian** War]

[10] In 2017, Duncan announced that he was working on a biography of this French nobleman, who aided in the American Revolution and later helped draft the *Declaration of the Rights of Man and of the Citizen*.

ANSWER: Marquis de **Lafayette** [accept Gilbert du **Motier**] <AZ>

10.

This pathogen cannot be transmitted with an undetectable viral load. For 10 points each:

[10] Name this pathogen that attacks CD4+ T cells until cell-mediated immunity is lost. He Jiankui genetically engineered two girls to be immune to this pathogen.

ANSWER: **Human Immunodeficiency Virus** [do not prompt on or accept “Acquired Immunodeficiency Syndrome” or “AIDS”]

[10] HIV is classified as this type of virus, which inserts a copy of its genome into the DNA of the host cell that it invades.

ANSWER: **retrovirus**

[10] Retroviruses use this enzyme to produce a complementary DNA sequence from its own RNA genome, which is then inserted into the host genome.

ANSWER: **reverse transcriptase** [prompt on **RT**] <DS>

11.

For 10 points each, name some things about films titled for women which were nominated at this year’s Oscars.

[10] Name this filmmaker who was nominated for Best Adapted Screenplay for her work on *Little Women*. She was previously nominated for Best Director for directing *Lady Bird*.

ANSWER: Greta **Gerwig**

[10] Cynthia Erivo was nominated for her performance as this woman in a namesake 2019 film. This woman was one of the leaders of the Underground Railroad.

ANSWER: Harriet **Tubman**

[10] This woman won the Best Actress award for her portrayal of Judy Garland in the biopic *Judy*. She is perhaps more famous for playing Bridget Jones in *Bridget Jones’ Diary* and its sequels.

ANSWER: Renée (Kathleen) **Zellweger** <PO>

12.

One character with this job yells from offstage for Sabina to “make something up!” when an actor misses a cue several times in *The Skin of Our Teeth*. For 10 points each:

[10] Name this type of character, another of which describes the suicide of Simon Stimson at the beginning of Act 3 of another play by the same author.

ANSWER: **stage managers** (in Thornton Wilder plays)

[10] This narrative structure is seen in *The Skin of Our Teeth*, with a character being the stage manager of an enactment in the work. Other examples of this literary device include *The Murder of Gonzago*.

ANSWER: **play within a play** [accept **nested plays**, accept obvious equivalents; prompt on story within a story, nested stories, or embedded narrative]

[10] The Stage Manager is the narrator of this Thornton Wilder play, which follows the lives of the people of Grover’s Corners, such as Emily Webb and George Gibbs.

ANSWER: **Our Town** <RY>

13.

For 10 points each, answer some questions about famous pictures of tanks.

[10] An unidentified man stands in front of a tank in a photo of an event in this location in Beijing, where protesters were massacred on June 4th, 1989.

ANSWER: **Tiananmen** Square

[10] This man was pictured standing on a tank in Moscow during a 1991 coup. He became the first leader of the Russian Federation.

ANSWER: Boris (Nikolayevich) **Yeltsin**

[10] One advertisement against this man featured footage of him riding in a tank and listed his foreign-policy stances, including his opposition to the Pershing II missiles, and said that America “couldn’t afford [the] risk” of his being president.

ANSWER: Michael (Stanley) **Dukakis** <AJ>

14.

Glaucon’s telling of the origin story of this object says that its namesake was a shepherd. For 10 points each:

[10] Name this mythical artifact which allows its wearer to become invisible at will. In a dialogue by Plato, Glaucon asks if people wearing this artifact would be able to resist doing injustice if they could do so without being caught.

ANSWER: **Ring of Gyges** [accept **Gúgou Daktúlios**]

[10] The Ring of Gyges appears in this Socratic dialogue by Plato which discusses justice and the ideal-city state, as well as proposing a series of hypothetical city-states.

ANSWER: *The **Republic*** [accept **Politeia**; accept *De **Republica***]

[10] One of the city-states posited in *The Republic*, the utopia Kallipolis, is ruled by one of these people, who were educated from birth to rule.

ANSWER: **philosopher-kings** [accept **filosofos vasilias**; do not accept or prompt on “philosopher” or “king” alone] <BC>

15.

For 10 points each, name some things about the hydrology of New York.

[10] The longest river in New York is this river which the bridge formerly known as the Tappan Zee crosses. This river's source is Mount Marcy, and it forms the border between New York and New Jersey.

ANSWER: **Hudson** River

[10] The Hudson River was known as the "river that flows both ways" by Native American tribes in the region, indicating that it is this type of river with a mix of brackish and fresh water and alternating ebb and flow currents.

ANSWER: **tidal estuary** [prompt on partial]

[10] In New York Harbor, there is the Billion [this animal] Project, aiming to restore them to New York Harbor by 2035. This animal names a card used to travel on the London Underground.

ANSWER: **oyster** <BC>

16.

I.M. Pei designed a glass pyramid in this city. For 10 points each:

[10] Name this French city, also home to a wrought-iron tower designed by Gustave Eiffel for the 1889 World's Fair.

ANSWER: **Paris**

[10] Napoleon III ordered a vast public-works project that involved the demolition and rebuilding of much of Paris overseen by this architect.

ANSWER: Georges-Eugène **Hausmann** [accept **Baron Hausmann**]

[10] Hausmann's renovations also led to the construction of two of these structures, Gare du Nord ("GAR doo NOR") and Gare de l'Est ("GAR duh LEST"). Another of these locations in Paris was converted into the Musée d'Orsay ("moo-ZAY dor-SAY").

ANSWER: **train stations** [accept **railway stations** or other obvious equivalents] <EL/AJ>

17.

This city's port is the district of Leith, and it contains Holyrood Palace and Castle Rock. For 10 points each:

[10] Name this city, which is also the setting of the movie *Trainspotting*.

ANSWER: **Edinburgh** ("ED-in-burr-uh") [accept **Dùn Èideann**]

[10] In one scene of *Trainspotting*, Renton calls people from this country "the lowest of the low." Edinburgh is the capital of this country, and Glasgow ("GLAZZ-goh") is its largest city.

ANSWER: **Scotland** [accept **Alba**]

[10] Edinburgh is located on this estuary with a three-word name. This inlet is spanned by a namesake red railway bridge, which is a Scottish national symbol and UNESCO World Heritage Site.

ANSWER: **Firth of Forth** [accept **Linne Foirth**] <PO>

18.

This man asks, "But say the tribe that I descended of were all in general cast away for sin, shall I be tried by their transgression?" For 10 points each:

[10] Name this title character of a play in which his home is seized by the government and converted into a convent, leading this man's daughter to sneak in pretending to have converted to Christianity in order to smuggle out his gold.

ANSWER: **Barabas** [prompt on the **Jew of Malta**]

[10] Barabas is the protagonist of *The Jew of Malta*, a play by this Elizabethan author of *Doctor Faustus*.

ANSWER: Christopher **Marlowe** [accept Kit **Marlowe**]

[10] Marlowe likely held this profession as well as being an author. Other authors with this profession include Ian Fleming and John le Carré.

ANSWER: **spy** [prompt on **secret agent**] <AJ>

19.

For 10 points each, name some things about everyone's favorite equation: the Nernst equation!

[10] The right side of the Nernst equation consists of this value minus RT over ZF times the log of Q , which predicts the voltage for a reaction at 25 degrees Celsius. Hydrogen gas has a value of zero for this quantity.

ANSWER: **standard cell potential** [accept **standard reduction potential** or **standard electrode potential** or **E-naught-cell**; prompt on **cell potential** and **E-cell**]

[10] The Nernst equation concerns electrochemical cells which undergo this kind of reaction, in which certain species lose electrons and other species gain electrons.

ANSWER: **redox** [accept **oxidation-reduction** or **reduction-oxidation**]

[10] The Nernst equation is used to find the boundary lines of these diagrams, which typically plot redox potential against pH to show the possible equilibrium phases of an aqueous electrochemical system.

ANSWER: **Pourbaix** diagrams <RY>

20.

This man stated that the creation of an organic working-class culture was necessary in order to overcome the cultural hegemony of the capitalist bourgeoisie. For 10 points each:

[10] Name this Italian Marxist theorist, who wrote the *Prison Notebooks* while jailed by Benito Mussolini. His theories would be opposed by both fascists and the liberal democrats who took over Italy after the war.

ANSWER: Antonio **Gramsci**

[10] Gramsci opposed this man and his capitulation to the Fascists after the March on Rome. This man was succeeded by the last king of Italy, Umberto II.

ANSWER: **Victor Emmanuel III** [accept **Vittore Emanuele III**; accept **Vittorio Emanuele Ferdinando Maria Gennaro** di Savoia]

[10] Gramsci's successor in the Communist Party, Palmiro Togliatti, supported the Soviet suppression of a 1956 uprising in this country, whose leader Imre Nagy ("NAHDJ") sought refuge in the Yugoslavian embassy in Budapest.

ANSWER: **Hungary** [accept **Hungarian** People's Republic; accept **Magyarország**; accept **Magyar Népköztársaság**] <PO>

TB.

For 10 points each, name some things about suicides in a certain Latin epic.

[10] Dido, queen of Carthage, kills herself after this son of Venus leaves her, ordered by Mercury. When this namesake of that epic and ancestor of Romulus sees Dido later in the underworld, she refuses to speak with him.

ANSWER: **Aeneas**

[10] After Dido kills herself, Juno sends this goddess down from Olympus to free her spirit from her body by cutting a lock of her hair to give to Persephone. Virgil describes this goddess as dragging a thousand colors through the sky.

ANSWER: **Iris**

[10] This woman's mother, Amata, kills herself during a conflict between Aeneas and the leader of the Rutuli over this woman's hand in marriage. Her hair catches on fire while making a sacrifice to the gods, foreshadowing war for her tribe.

ANSWER: **Lavinia** <RY>