

## Prison Bowl XIII: XIII Is Unlucky for a Reason

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### PACKET EIGHT

#### Tossups:

1.

**The Stoner parameter times the Fermi energy must be greater than one for this phenomenon to occur. The Peirels argument proved that for large values of beta, this phenomenon occurs, and a model describing this phenomenon was first solved in two dimensions by Lars Onsager. That model is the (\*) Ising model, and materials with this property exhibit a hysteresis loop. Above the Curie point, materials lose this property, which is caused by the alignment of spin states. For 10 points, name this form of magnetism found in permanent magnets and exhibited by iron, nickel, and cobalt.**

ANSWER: **ferromagnetism** [prompt on magnetism until mention] <BC>

2.

**In this country, the toppling of Hipólito Yrigoyen (“ee-PO-lee-to EE-ree-GOH-yen”) caused the “Infamous Decade.” In this country, the “Triple A” paramilitary group was responsible for killing many suspected communists. This country's Montoneros faction was massacred at (\*) Ezeiza (“eh-SAY-sa”) airport. This country's leader, Jorge Videla, intensified the “Dirty War” and fell from power after starting a war with Britain. The death of a popular first lady of this country in 1953 was the inspiration for Andrew Lloyd Webber’s musical *Evita*. For 10 points, name this country, in which Juan Perón ruled from Buenos Aires.**

ANSWER: **Argentina** [accept Argentine Republic; accept República Argentina] <PO>

3.

**In 1975, a player for this team was the first to win both Rookie of the Year and MVP in the same season; that player was Fred Lynn. Bernie Carbo hit a game tying three-run home run for this team to tie Game 6 of the 1975 World Series, where his teammate later wildly waved his arms to keep the game-winner inside the foul pole. After Harry Frazee (\*) sold this team's star player to the rival New York Yankees, this team fell under the “Curse of the Bambino,” and did not win another World Series for 86 years. For 10 points, name this baseball team whose home field is Fenway Park, and who last won the World Series in 2018 under their former and current manager Alex Cora.**

ANSWER: **Boston Red Sox** [accept either underlined portion] <NW>

4.

**This figure titles a poem by Margaret Atwood written from the perspective of his wife that describes being pulled “back out to the green light that had once grown fangs and killed me.” A cycle of 55 sonnets addressed to this figure begins “There the tree rises. Oh pure surpassing!” and were written by (\*) Rainer Maria Rilke. This figure helped the Argonauts survive the seduction of the Sirens by playing his lyre louder than their singing. While trying to rescue his wife, this figure looked back at her, causing her to fall away. For 10 points, name this character from Greek mythology who tried to retrieve Eurydice from the underworld.**

ANSWER: **Orpheus** <RY>

5.

**It's not Rolle's theorem, but Taylor proved this rule by extending the Mean Value Theorem, and a corollary for this rule serves as a test for differentiability. When this rule is applied to sequences it yields the Stolz-Cesàro theorem, and this rule does not hold when  $g$  prime of  $x$  oscillates as  $x$  approaches  $c$ .** (\*) Logarithms can be used to move the exponent down when this rule is applied to exponentials. This rule is commonly applied on limits of indeterminate form, such as when  $g$  of  $x$  equals zero but  $g$  prime of  $x$  does not. For 10 points, name this law which states that the limit of a rational function is equal to the limit of the ratio of the derivatives of the numerator and denominator.

ANSWER: L'Hôpital's rule [accept Bernoulli's rule or L'Hospital's rule] <AJ>

6.

**Frank Lloyd Wright designed an open "light court" for this city's Rookery Building. Eliel Saarinen lost a competition to design this city's Tribune Tower, and the tallest building in this city uses a "bundled tube" structure. Bertrand Goldberg designed two towers in this city whose lower floors are a parking garage connected by a single continuous ramp; that structure is** (\*) Marina City. A park in this city features the Crown Fountain and the Frank Gehry-designed Pritzker Pavilion. For 10 points, what Midwestern city is home to the Anish Kapoor sculpture *Cloud Gate* in its Millennium Park as well as the Willis Tower?

ANSWER: Chicago <AJ>

7.

**One ruler with this name defeated the Polovtsian prince Rogvolod and became known as the "Fair Sun." Monomakh's Cap is said to have been given from Constantine Monomachus to a ruler with this name who founded a city on the Klyazma River. One ruler with this name threatened to invade Constantinople if he could not marry the sister of Basil II, Anna** (\*) Porphyrogenita, and he rejected conversion to Islam after noting that "drinking is the joy of all Rus." That ruler with this name instead converted to Orthodox Christianity. For 10 points, give this first name of a "Great" ruler of Kiev, also shared by Russian leaders Lenin and Putin.

ANSWER: Vladimir [accept Vladimir Monomakhos or Vladimir the Great; prompt on Vlad] <CO>

8.

**The film "Street Fight" chronicles a campaign for mayor of a city in this state. This state was the first to implement a ban of single-use paper bags and in September 2020, after getting support from Senate Leader Stephen Sweeny, this state implemented a "millionaires' tax." A former governor of this state confronted Marco Rubio in a debate for saying "Let's** (\*) dispel with this fiction that Barack Obama doesn't know what he's doing. He knows exactly what he's doing." Kim Guadagno was defeated in 2017 by this state's current governor, Philip Murphy. For 10 points, name this state that Chris Christie formerly governed from Trenton.

ANSWER: New Jersey [accept NJ] <BC>

9.

**In a satirical poem by William Makepeace Thackeray based on this work, the dead body of this work's title character is seen by a woman who "like a well-conducted person / Went on cutting bread and butter." In a novel by Thomas Mann, the real-life inspiration for that woman comes to Weimar to confront the author of this work. This novel's title character develops an obsession with** (\*) Ossian before going to an asylum. That character is kissed on the mouth by a bird belonging to Lotte, who is engaged to Albert, before committing suicide at the end of this novel. For 10 points, name this epistolary novel by Johann Wolfgang von Goethe.

ANSWER: *The Sorrows of Young Werther* <AJ/RV>

10.

**The kumiho from Korean mythology, which eats hearts and livers, has this ability, as does the Japanese kitsune. One sea god can answer any question if he is held captive, but he will perform this action while being restrained; that sea god is Proteus. A Titaness was tricked into doing this, resulting in the goddess (\*) Athena being birthed from Zeus' forehead. Subhuti teaches this skill to Sun Wukong, who can perform 72 variations of it. Arachne was forced to do this by Athena after defeating the goddess in a weaving competition. For ten points, name this power possessed by many mythological creatures, such as by vampires and werewolves.**

ANSWER: **shapeshifting** [accept obvious equivalents like **transforming** into animals, accept **turning into** a fly, spider, bat, or wolf] <LS/RV>

11.

**In a short story set in this U.S. state, the death of a Chicasaw chief leads to a manhunt of his slave after demands for all his possessions to be burnt alongside him. In another work in this state Darl is sent to an asylum for setting a barn on fire, and Dewey Dell repeatedly seeks an abortion. A chapter of that work reads, "My (\*) mother is a fish," and in another work in this state Caddy becomes associated with the smell of rain by her mentally handicapped brother Benjy Compson. *As I Lay Dying* and *The Sound and the Fury* are set in, for 10 points, what state which contains the fictional Yoknapatawpha ("YAWK-nuh-PAH-toe-fuh") County, the setting of many William Faulkner works, with its capital at Jackson?**

ANSWER: **Mississippi** <RY>

12.

**Frederika von Riedesel wrote an eyewitness account of this battle. One side withdrew from Barber Field to the Balcarres Redoubt during this battle. James Inglis Hamilton led the Convention Army which was captured during this battle, in which Tadeusz Kosciuszko built fortifications. Simon (\*) Fraser was killed during this battle, in which Benedict Arnold was wounded. Freeman's Farm and Bemis Heights were the two parts of this battle, which led to the end of John Burgoyne's campaign. For 10 points, what 1777 battle in Upstate New York is considered a turning point of the Revolutionary War?**

ANSWER: Battle(s) of **Saratoga** <CO>

13.

**Stygofauna thrive in the aquatic vugs characteristic of this habitat. Bacteria in these environments often perform hydrogen sulfide chemosynthesis and protect themselves by producing snottites. Amphibians in these habitats frequently exhibit neoteny. Full-time residents of these environments are called (\*) troglobites, and include olms, Devil's Hole Pupfish, and transparent snails. Common adaptations to these habitats include loss of pigmentation, poor eyesight, and low metabolism. For 10 points, name these isolated habitats that serve as a temporary home to bears and bats.**

ANSWER: **caves** <DS>

14.

**This country's giant Turtle Rock formation is located in its Terelj National Park. This country's "Three Manly Games" are played at the Naadam festival and include a form of wrestling called Bök, which explains why this country's athletes are dominant at sumo wrestling. This country's town of Mörön is the capital of one of its 21 subdivisions called (\*) aimags. This country's west is home to its highest mountain, Khüiten Peak, which is in its Altai Range. This country is the least densely populated in the world, and this country and China share the Gobi Desert. For 10 points, name this landlocked country with capital Ulaanbaatar.**

ANSWER: **Mongolia** [accept **Mongol Uls**] <BC>

15.

**A religious text named for this figure begins with a declaration of Nine Statements. Zachariah saw a vision of Joshua standing before the Angel of the Lord and this figure, whose first appearance is as a prosecutor who makes a case against Judah. In Revelation, this figure battles the Archangel (\*) Michael and is thrown into a Lake of Fire after working with Gog and Magog, and Jewish conceptions of this figure may have been influenced by Angra Mainyu. Worshippers of this figure often identify themselves with an inverted pentagram. For ten points, name this figure who in Abrahamic religions seduces humans into sin.**

ANSWER: **Satan** [accept **Lucifer**, **Heyl**, or The **Devil**] <MBK/AJ>

16.

**It's not Asensio Julià ("zhool-YAH"), but in a painting by this artist, a giant walks through clouds while in the valley below people and cattle flee in all directions. This artist engraved a sleeping man from whose head emerge bats and owls; that painting is *The Sleep of Reason Produces Monsters*. This artist depicted civilians attacking (\*) Mamelukes ("MOM-lukes") with household tools in a painting that served as a companion to another work in which the central figure is illuminated by a square lamp. For 10 points, name this Spanish artist of *Saturn Devouring His Son* and *The Third of May, 1808*.**

ANSWER: Francisco José de **Goya** y Lucientes <AJ>

17.

**In one of this author's works, the protagonist renounces the world after reading *The Imitation of Christ*, and later nearly marries Stephen Guest in Mudport. The opium-addicted Molly Farren freezes to death in another work by this author, and her daughter Eppie is adopted by the title (\*) "weaver of Raveloe." In another work by this author of *The Mill on the Floss*, the protagonist marries Will Ladislaw despite a clause in her deceased husband's will which takes away her inheritance if she does so; that protagonist is Dorothea Brooke. For 10 points, name this author of *Silas Marner* and *Middlemarch*.**

ANSWER: George **Eliot** [accept Mary Ann **Evans**] <RY>

18.

**In revenge for the Bava Beccaris massacre, revolutionaries assassinated one king of this country. In 2012, a cruise ship sank off the coast of this country, killing thirty-two and leading to the conviction of its captain for manslaughter; that ship was the *Costa Concordia*. During the (\*) Years of Lead, this country's Red Brigades kidnapped and killed its prime minister Aldo Moro. The corpse of a dictator of this country was suspended from a gas station after his execution near Lake Como in 1945. For 10 points, name this country which was ruled during much of World War II by fascist dictator Benito Mussolini.**

ANSWER: Republic of **Italy** [accept **Italia**; accept Repubblica **Italiana**] <AZ>

19.

**Music from "Święty Boże ["sh-VYEN-tee bo-zhe], the Polish translation of the Triagon, appears in one of these works composed by Krzysztof Penderecki ["KRIS-toff pen-duh-RET-ski"]. Four offstage trumpets build up to an orchestral crescendo before a vocal bass solo in a section of one of these works which was composed for Alessandro Manzoni and written by (\*) Giuseppe Verdi; that section is the "Tuba Mirum." Franz von Walsegg commissioned one of these works from Mozart so he could pass it off as his own; that work cuts off after the first 8 bars of the "Lacrimosa" section and contains a notable "Dies Irae." For 10 points, name these masses for the dead, such as Mozart's unfinished D minor one.**

ANSWER: **requiem** mass [prompt on mass for the dead until read] <BC>

20.

**The Kjeldahl (“KELL-tall”) digestion uses this technique after the sample is heated to determine a property of ammonia, and in the Winkler test, a thiosulfate solution is used to perform this technique. Karl Fischer names a form of this technique used to determine the amount of water in a sample. Colloids and emulsions have the (\*) zeta potential form of this technique performed on them to find the isoelectric point. In this technique, bromothymol blue and phenolphthalein are indicators used to determine the equivalence point for a solution in its acid-base form. For 10 points, name this technique in which a burette is used to find the concentration of a solution.**  
ANSWER: **titration** [accept specific types] <BC>

TB.

**In this work, several characters encounter a black stone pillar on the way to the City of Brass. One character in this work disappears into the sky while riding on an ebony horse, while another seeks a statue for one of his nine pedestals. In this work, Duban cures King Yunan of leprosy. Characters in this work include Badroulboudour, the daughter of the Emperor of (\*) China, and the slave-girl Morgiana. The frame story of this work involves a king who kills a wife every night, Shahryar, until he marries the storytelling daughter of the vizier, Scheherazade (“schuh-HAIR-uh-zahd”). For 10 points, name this story collection, which contains a title number of tales about Sindbad the Sailor and Aladdin.**  
ANSWER: **Arabian Nights** [accept *The One Thousand One Nights* or *The One Thousand One Arabian Nights*]  
<CO>

**Bonuses:**

1.

This man prompted a war by editing a telegram about a conversation featuring Count Benedetti. For 10 points each:  
[10] Name this conservative politician, who predicted after his dismissal that “the crash will come twenty years after my departure” and that a European conflagration would occur because of some “damn fool thing in the Balkans.”

ANSWER: Otto von **Bismarck**

[10] Bismarck was forced to resign by this last Hohenzollern German Emperor. His reign saw the German army’s defeat in the First World War, after which he abdicated the throne.

ANSWER: **Wilhelm II** [prompt on Wilhelm]

[10] Kaiser Wilhelm II famously complained to this newspaper that “You English are mad, mad, mad as March hares,” sparking an uproar known as this publication’s namesake “Affair.”

ANSWER: *The Daily* **Telegraph** <AZ>

2.

The sixth one of these works contains no violins, but two viole da braccio and two viole da gamba. For 10 points each:

[10] Name this set of six chamber works composed for the title margrave of a German city. The first of these works is the only to have four movements, and they all feature several soloists playing with accompaniment.

ANSWER: **Brandenburg Concertos** [accept **BWV 1046-51** or **Six Concerts à plusieurs Instruments**]

[10] The *Brandenburg Concertos* were composed by this man, whose other works include *The Well-Tempered Clavier* and the *Goldberg Variations*.

ANSWER: **Johann Sebastian Bach** [prompt on Bach]

[10] The Brandenburg Concerto of this number has a second movement that consists of only two chords notated that make up a Phrygian half-cadence. The concerto of this number is scored for three violins, three violas, three celli, and continuo.

ANSWER: **three** [accept equivalents such as **third**] <BC>

3.

These beings have been sent by Olodumare to guide humans and protect the Earth. For 10 points each:

[10] Name these spirits in African myth which include thunder god Shango and wisdom spirit Orunmila.

ANSWER: **orishas** [accept **orisa**s, **orichás**, or **orixás**; prompt on Irunmole]

[10] Orishas are part of the pantheon of this west African ethnic group, which founded the ancient city of Ilé-Ife (“EE-lay EE-fay”). They are the third-largest ethnic group in Nigeria, after the Hausa and the Igbo.

ANSWER: **Yoruba**

[10] Due to the trans-Atlantic slave trade, orishas are also worshipped in syncretic American religions like Santería, which is largely practiced in this country’s regions of Matanzas and Havana.

ANSWER: Republic of **Cuba** [accept República de **Cuba**] <CO>

4.

The Avery-MacLeod-McCarty experiment was a precursor to this experiment. For 10 points each:

[10] Name this doubly-eponymous experiment that established DNA carries genetic material instead of proteins.

ANSWER: **Hershey-Chase** experiment

[10] The Hershey-Chase experiment involved using radioactive tracers to label protein and DNA in the T2 variant of these viruses which infect bacteria. They reproduce using the lysogenic and lytic cycles.

ANSWER: bacteri**ophages**

[10] Radioactive sulfur-35 was used to label the protein sections of the T2 phage, while this element’s 32 isotope was used to label DNA. This element with atomic symbol P has red, black, violet, and white allotropes.

ANSWER: **phosphorus** <BC>

5.

What do literature and postal services have in common? The Thurn-und-Taxis (“TOO-uhn uhnt TAHK-siss”) family! For 10 points each:

[10] Marie von Thurn und Taxis was the dedicatee of Rainer Maria Rilke’s *Duino Elegies*, the first of which asks, “Have you studied [this 16th century Italian poet] sufficiently yet?” This poet wrote 311 poems, many of which were about her relationship with Collaltino di Collalto.

ANSWER: Gaspara **Stampa**

[10] Thurn-und-Taxis is a private mail company rivalling Trystero in this novella by the author of *V.* (“vee”) about Oedipa Maas, who repeatedly encounters the symbol of a muted posthorn.

ANSWER: *The **Crying of Lot 49*** [the unnamed author is Thomas Pynchon]

[10] A future prince of the Thurn und Taxis family is a protagonist of Walter Jon Williams’s *Elegy for Angels and Dogs*, a work in this genre. Isaac Asimov and Arthur C. Clarke were early writers in this genre.

ANSWER: **science fiction** [accept **sci-fi**] <CO>

6.

For 10 points each, name some things about everyone’s second-favorite region of New York — Upstate!

[10] This canal system, built around a namesake river, has largely replaced a previous canal known as “Clinton’s Folly” in transporting goods from the Atlantic to the Great Lakes. The Moses-Saunders Power Dam is on this canal system.

ANSWER: **Saint Lawrence Seaway** [prompt on **Saint Lawrence**; do not accept “Saint Lawrence River”]

[10] The aforementioned “Clinton’s Folly” was this canal, built from 1817 to 1825. It connected the Hudson River to its namesake Great Lake, and hugely increased traffic at New York Harbor.

ANSWER: **Erie** Canal [prompt on **New York State Barge Canal**]

[10] Also in Upstate New York is this group of lakes, where much of the Iroquois Confederacy once lived, after whom Cayuga and Seneca Lakes in this group of lakes are named.

ANSWER: **Finger** Lakes <PO>

7.

In this writer’s line *saxo cere comminuit brum*, meaning “he split his brain with a rock,” this poet amusingly used tmesis (“tuh-MEE-sis”) to literally split the word for brain in two. For 10 points each:

[10] Name this Roman writer from the second century BCE who is best known for his epic *Annales*.

ANSWER: Quintus **Ennius**

[10] The *Annales* survive only in fragments quoted in other authors, particularly this author who gave the Catiline Orations during his time as consul. His surname means “chickpea.”

ANSWER: Marcus Tullius **Cicero**

[10] As the first major Roman epic, the *Annales* were extremely influential on this later epic by Vergil.

ANSWER: *The **Aeneid*** <CO>

8.

If the ion product is greater than the solubility product, one of these substances form. For 10 points each:

[10] Name these substances which are a solid that forms from a reaction in solution.

ANSWER: **precipitates** [accept word forms]

[10] If the ion product is less than the solubility product, the solution has this property, which means that there is not the maximum amount of solute dissolved for a given volume.

ANSWER: **unsaturated** [do not accept “saturated”]

[10] Pencil and paper ready. Find the molar solubility of an ionic compound that contains two halogens and one group two element given that the solubility product is 4 times 10 to the negative 15. You have 15 seconds.

ANSWER: **10 to the negative fifth** molar [accept equivalents, such as **.00001**] <BC>

9.

When using hieroglyphs, this place can be represented as a star within a circle. For 10 points each,

[10] Name this location, that serves as the Egyptian land of the dead, as well as where Ra's sun barge passes through every night to fight the serpent Apophis.

ANSWER: **Duat** [accept **Tuat**, **Tuaut**, **Akert**, **Amenthes**, **Amenti**, or **Neter-khertet**]

[10] In the Duat, the hearts of the newly deceased are weighed by Anubis against one of these objects that represents the goddess Ma'at, or truth. Daedalus used wax to put together these items in order to help Icarus and himself escape the Labyrinth.

ANSWER: **feathers** [accept ostrich **feather**]

[10] If the heart was heavier than the feather, it would be eaten by this part-crocodile, part-hippopotamus, part-lion demoness. After she ate the heart, the soul would become restless forever.

ANSWER: **Ammit** [accept **Ammut** or **Ahemait**] <DS>

10.

This leader was served by the Three Pedagogues. For 10 points each:

[10] Name this Roman governor of Hispania. Though he refused to support Gaius Julius Vindex's rebellion, this general was forced to march on Rome after his predecessor declared him an enemy of the state.

ANSWER: Servius Sulpicius **Galba**

[10] Galba was the first Emperor of this year of the Roman Empire, in which the relative regime stability of the Julio-Claudian Dynasty was shattered by the attempts of a succession of ambitious generals to secure the throne. Either the common historical name or the year number is acceptable.

ANSWER: Year of the **Four Emperors** [accept, but do not otherwise reveal, **69 A.D.**]

[10] This last Julio-Claudian Emperor repeatedly exclaimed "What an artist the world is losing!" as he tried to work up the courage to commit suicide following Galba's coup. Contrary to popular belief, this emperor definitely did not fiddle while Rome burned, because he played the lyre.

ANSWER: **Nero** Claudius Caesar Augustus Germanicus [do not accept or prompt on any answer without "Nero"] <AZ>

11.

Robert Penn Warren titled a romantic novel "World Enough and [this concept]" based on a 17th century poem. For 10 points each:

[10] Name this concept, which the speaker of that poem bids his lover to devour rather than "languish in his slow-chapt pow'r."

ANSWER: **time**

[10] This poem, written by Andrew Marvell, includes the speaker claiming that his "vegetable Love should grow / Vaster than Empires" and hearing "Time's wingèd chariot hurrying near."

ANSWER: "**To His Coy Mistress**"

[10] "To His Coy Mistress" is a *carpe diem* poem, a Latin saying taken from Horace that translates to this three-word English phrase.

ANSWER: **seize the day** <RY>



12.

This equation relates the effective exhaust velocity and the mass ratio to delta-v. For 10 points each:

[10] Name this equation, which states that the change in velocity of a certain object is equal to v-sub-e times the natural log of the ratio of the masses before and after fuel is consumed.

ANSWER: **Tsiolkovsky rocket** equation [accept either; accept classical **rocket** equation or ideal **rocket** equation]

[10] Standard gravity times the specific type of this quantity can replace the effective exhaust velocity in the rocket equation. This quantity is equal to the change in momentum.

ANSWER: specific **impulse** [accept **J**]

[10] The rocket equation must be used because this relationship does not apply for variable mass systems. This relationship states that the force on an object equals the derivative of momentum with respect to time and is often stated as  $F$  equals  $m a$ .

ANSWER: **Newton's second** law of motion [prompt on partial] <BC>

13.

This work claims that language creates “reality-effects” that are misperceived as facts. For 10 points each:

[10] Name this 1980 work of feminist philosophy by Judith Butler. In it, Butler highlights drag as a method of destabilizing the title concept.

ANSWER: ***Gender Trouble: Feminism and the Subversion of Identity***

[10] Butler characterizes drag as an example of this practice, which she claims is the origin of gender. Bertholt Brecht (“BER-tolt BREKT”) also examined the philosophy of this practice.

ANSWER: **performance** [accept **performativity** and other word forms]

[10] According to Laura Mulvey, female gender is constructed through the “gaze” of these people. Many feminist philosophers have criticized the fact that the majority of academic philosophy is done by these people.

ANSWER: **men** [accept obvious equivalents; accept **male** gaze] <AJ>

14.

This style was named for a style of garden ornamentation. For 10 points each:

[10] Name this art style, characterized by lavish ornamentation and elaborate composition. Works in this art form tend to depict many flowers and leaves and be in pastel colors.

ANSWER: **rococo**

[10] One rococo painter was this man, known for *The Progress of Love*, *The Captured Kiss*, and *The Reader*.

ANSWER: Jean-Honoré **Fragonard**

[10] This painting by Fragonard features a woman whose slipper is falling from her shoe while a lascivious man stares up her skirt.

ANSWER: *The **Swing*** [accept *L'escarpolette*] <PO>

15.

Harry Truman used the participation of other member states of this international organization to argue that the Korean War was a “police action” and did not require a Congressional declaration of war. For 10 points each:

[10] Name this organization, whose security council the U.S.S.R. boycotted, allowing it to intervene in Korea.

ANSWER: the **United Nations** [accept linguistic variations resulting in the acronym **ONU**]

[10] During the Korean War, Douglas MacArthur planned and executed this naval landing, allowing UN forces to break out of the Pusan perimeter.

ANSWER: Battle of **Inch(e)on** [accept **Incheon** Sangnyuk Jakjeon; accept Operation **Chromite**]

[10] The armistice in the Korean War was signed in this village, slightly north of the current DMZ. In Billy Joel’s “We Didn’t Start the Fire,” it is rhymed with “H-bomb.”

ANSWER: **Panmunj(e)om** <PO>

16.

Kendrick Lamar's *DAMN.* was the first rap album to receive this prize in the music category. For 10 points each:

[10] Name this award established by a Hungarian-born newspaper magnate. Recipients of this award in the fiction category have included *Gone With the Wind* and *The Old Man and the Sea*.

ANSWER: **Pulitzer** Prize

[10] The title of "King Kunta," a song on Kendrick Lamar's earlier album *To Pimp a Butterfly*, references the main character of this man's book *Roots*. This author also co-wrote *The Autobiography of Malcolm X*.

ANSWER: Alexander (Murray Palmer) **Haley**

[10] In "King Kunta," this vegetable is referred to as "the power that be" and is claimed to have "manipulated Bill Clinton with desires." In Ralph Ellison's *Invisible Man*, the narrator buys these vegetables from a Southern street vendor in Harlem.

ANSWER: **yam** [prompt on sweet potato] <AJ>

17.

Recent studies have suggested this phenomenon may lead to the production of antimatter. For 10 points each:

[10] Name this release of atmospheric electrical charge, more commonly known for producing visible light and sound.

ANSWER: **lightning**

[10] Blue jets are a type of lightning that projects upward from clouds into this region of the atmosphere rich in charged particles.

ANSWER: **ionosphere**

[10] When lightning strikes the ground it can produce this type of mineraloid formation. This type of formation is a variety of the mineraloid lechatelierite that contains silica glass.

ANSWER: **fulgurite** <AJ>

18.

The author of this book identified the tyranny of the majority as one of the threats to the title concept. For 10 points each:

[10] Name this work by Alexis de Toqueville, in which he analyzes why the title concept has succeeded in the title country while it has failed in many others.

ANSWER: *On **Democracy in America*** [accept *De La Démocratie en Amérique*]

[10] In *Democracy in America*, Toqueville argues that the absence of aristocracy and a decrease in patriarchal rule in this entity gave women more freedom to marry whom they wish. The "nuclear" type of this entity has two parents and two children.

ANSWER: **family** [accept **families**]

[10] In *Democracy in America*, Toqueville developed the concept of this type of despotism, which makes people think they are in control. Toqueville also used this adjective to describe a type of "tyranny" in which social conditions hinder hope.

ANSWER: **soft** despotism [accept **soft** tyranny] <BC>

19.

The assertion that the subject of this work sold her tires for food turned out to be incorrect. For 10 points each:

[10] Name this photograph of Florence Owen Thompson and her children which was taken in California during the Great Depression.

ANSWER: ***Migrant Mother***

[10] *Migrant Mother* is by this artist who worked with the Farm Security Administration during the Depression.

ANSWER: Dorothea **Lange**

[10] Lange also took this photo of a man wearing a hat while leaning on a fence and clutching a tin can in the middle of a crowd.

ANSWER: ***White Angel Breadline***, *San Francisco* <AJ>

20.

One epidemic in this country may have begun in the town of Siboney. For 10 points each:

[10] Name this country, where 2,000 American soldiers died from yellow fever, and where Walter Reed and Carlos Finlay did research to discover the vectors of the disease.

ANSWER: **Cuba**

[10] American soldiers were in Cuba due to this 1898 war, which began after the sinking of the *USS Maine* in Havana Harbor.

ANSWER: **Spanish-American** War [accept **Guerra hispano-estadounidense**, **Guerra hispano-americana**, or **Digmaang Espanyol-Amerikano**]

[10] Cuban residents also suffered during the Spanish-American War, in large part due to the reconcentration policy of this Spanish Governor-General of Cuba, who was nicknamed “the Butcher” by the American press.

ANSWER: Valeriano **Weyler** (y Nicolau, 1st Duke of Rubí, 1st Marquess of Tenerife) <CO>

TB.

For 10 points each, name some things about rubidium.

[10] Rubidium atoms were the first to be put into this state of matter, which occurs at temperatures well below 1 Kelvin. This state of matter is named for an Indian and German scientist.

ANSWER: **Bose-Einstein** condensate [accept **BEC**]

[10] Rubidium can be used in the atomic versions of these devices instead of cesium. The rubidium atomic variety of these devices rely on the fact that rubidium’s hyperfine transition is around 7 billion times per second.

ANSWER: rubidium atomic **clocks**

[10] Rubidium-82 is also used as a source of antimatter particles in this medical imaging technique and is used particularly as a tracer for heart tissue.

ANSWER: **positron emission tomography** [accept **PET** scan] <BC>