

**ACF Regionals 2016: Ben There, Didn't Do That**

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TOSSUPS:

1. Wu Peifu beheaded the leaders of a 1923 strike in this industry, kickstarting China's labor movement. Sheng Xuanhuai's plan to cede holdings in this industry to the West led to the formation of "Protection Leagues" that drove the Wuchang Uprising, providing the catalyst for the Xinhai Revolution in 1911. An act of sabotage in this industry was investigated in the Lytton Report by the League of Nations. The "Old Marshall," Zhang Zuolin, fought Russia and China for control of this industry in Manchuria before being killed by a bomb while using it. A fraudulent act of sabotage against this industry near Mukden was used to justify the Japanese conquest of Manchuria. For 10 points, name this industry that connected Chinese cities like Hãnköu and Běijīng with steel tracks.

ANSWER: railroad industry [or railways; or trains; prompt on transportation industry or similar answers]

2. This compound and hydrogen peroxide form the strongly oxidizing piranha solution. In the first step of one of the most efficient ways to evolve hydrogen gas from water, this compound is produced alongside hydrogen iodide; that is the Bunsen reaction. A mixture of this compound and formaldehyde composes the Marquis reagent, which is used to detect ecstasy. This compound is combined with zinc in James Marsh's test for arsenic. Chromium trioxide in a solution of acetone and this compound oxidizes alcohols in the Jones reaction. Peregrine Phillips used a vanadium oxide catalyst to produce oleum, which is dissolved in water to create a diluted form of this substance at the end of the contact process. For 10 points, name this strong acid with formula H<sub>2</sub>SO<sub>4</sub>.

ANSWER: sulfuric acid [accept H<sub>2</sub>SO<sub>4</sub> before mention, accept oil of vitriol]

3. A verse drama inspired by events in this state ends with a woman being machine-gunned by thugs working for her brother. In a play first performed in this state, two women find a strangled canary in Minnie's knitting basket. In a play set in this state, a group of girls scream as they point at a yellow bird which is supposedly sitting in the rafters. That play set here climaxes with the protagonist shouting "I have given you my soul; leave me my name!" A trial in this state inspired Maxwell Anderson's *Winterset*, and Susan Glaspell's *Trifles* was put on by the Provincetown Players here. A request for "more weight" are the last words of Giles Corey in a play set in this state that features Abigail Williams and John Proctor. For 10 points, name this state where Arthur Miller's *The Crucible* is set.

ANSWER: Massachusetts

4. Performing this kind of action in Hinduism is considered profane if done after consuming certain food, since it implies you think you're too good for *prasad*. In Shinto, this action is aided with a band of paper streamers attached to a stick, the *onusa*, and is known as *harae*. Jesus levels charges of hypocrisy at the pharisees after being scolded because his disciples do not perform this action. A Jewish ritual combines the herb called *ezov* and yarn with the ashes of a red heifer to perform an extreme type of this action. Islam permits *tayammum*, performing this action with sand, though more commonly calls for *ghusl* or *wudu*, the latter of which precedes *salat* prayer. For 10 points, name this religious ritual often performed by washing all or part of the body.

ANSWER: ritual purification [accept equivalents like ablution, cleansing, etc.; accept washing before mentioned]

5. Israel's sketchy relationship with this country is managed by billionaire Alexander Mashkevitch, who was busted in 2010 for sailing a sex yacht full of underage girls. A series of violent scandals in this country culminated with the 2015 prison "suicide" of its president's son-in-law. In 2012, this country launched a plan to become one of the 30 largest economies in the world, its namesake "2050 Strategy." This country recently joined Russia and Belarus to form a single market via the Eurasian Economic Union. Its president was re-elected with a robust 98% of the vote in 2015, signaling continued dominance for the Nur Otan party of Nursultan Nazarbayev. For 10 points, name this central Asian country that in 1997 moved its capital from Almaty to Astana.

ANSWER: Republic of **Kazakhstan** [or **Qazaqstan Respublikasy**]

6. Becker et al. observed particle-like behavior in the dark-bright variety of these entities in a BEC. These things were shown to be conserved in collisions via computer simulations done by Norman Zabusky and Martin Kruskal. These solutions often arise when problems are attacked with an inverse scattering transform. The existence of these things explains why many seemingly-chaotic systems have approximately periodic behavior, resolving a "paradox" formulated by Fermi, Pasta, and Ulam. They are solutions to non-linear differential equations like the Korteweg-de Vries and Sine-Gordon equations. These entities were called "waves of translation" after being first noticed by John Scott Russell in a Scottish canal. For 10 points, identify these shape-maintaining solitary waves.

ANSWER: **solitons** [prompt on **solitary** waves]

7. In the preface to a poem in this language, a smile glides over "what had once been a face" of a woman who asks "And can you describe this?" A poem in this language describes a man whose "thick fingers are bulky and fat like live-baits," who is "forging his rules and decrees like horseshoes." In this language, an author described crying for "seventeen months" and falling at the "hangmen's feet" after the arrest of her son. The speaker of a poem in this language says he is "one massive, soundless scream" and notes that "I seem to be Dreyfus" while looking at a place "where no monument stands." This language was used for poems like "Requiem," *Poem Without a Hero*, and "Babi Yar." For 10 points, name this language used by Osip Mandelstam, Anna Akhmatova, and Yevgeny Yevtushenko.

ANSWER: **Russian**

8. An essay on this subject was criticized by pointing out the "guardian" role played by the state in suppressing free thought, in a letter to Christian Jacob Kraus. One essay about this concept contrasts the form of reason one utilizes as a scholar with the form used in civic offices, which are called the public and private forms of reason. Isaiah Berlin suggested Johann Georg Hamann's opposition to this concept established its "counter"-movement. One essay says that this concept occurs when man has the courage to use his understanding without the guidance of others and defined this as "man's emergence from his self-imposed immaturity." That essay by Immanuel Kant asks "What is" this concept. For 10 points, name this 18<sup>th</sup>-century intellectual movement emphasizing progress and reason.

ANSWER: **Enlightenment** [or **Aufklärung**]

9. After fleeing angry American patriots, Benjamin Thompson oversaw reforms in this polity, trying to feed the poor with a soylent-like nutritional slop and later being entitled Count of Rumsford. While trying desperately to resign as head of this polity's short-lived Soviet Republic, Kurt Eisner was assassinated by Anton Arco-Valley, who was enraged at being rejected from its creepy occult-fascist Thule Society. A scheme to swap this polity for the Austrian Netherlands during the rule of Charles IV Theodore led to the creation of the *Furstenbund* and triggered the "potato war" of this state's succession, pitting Joseph II against Frederick the Great. This Wittelsbachs long ruled this state, the site of Hitler's Beer Hall Putsch. For 10 points, name this largest state in Germany, whose capital is Munich.

ANSWER: **Bavaria** [or **Bayern**]

10. An allegorical portrait depicts a soldier from this country escaping a shipwreck and shaking his fist at an olive branch-holding nude. In a portrait, a ruler of this country wears a cloak decorated with eyes and ears, and holds a rainbow. A nobleman leans against a tree in *Young Man Among Roses*, a work in this country's 16<sup>th</sup>-century trend of portrait miniatures. Hans Eworth and Nicholas Hilliard worked in this country, where a portrait of the merchant Georg Giese was painted. *The Chinese Converts* is a series of portraits executed by a member of this country's Kit-Kat Club. A painter from this country showed a train roaring down Maidenhead bridge in his painting *Rain, Steam, and Speed*. For 10 points, name this home country of J.M.W. Turner.

ANSWER: **England** [prompt on "Britain", "Great Britain", or "United Kingdom"; do NOT prompt on or accept "Scotland" or "Wales"]

[That first painting is *Allegorical Portrait of Sir John Luttrell* by Hans Eworth. The second clue is the *Rainbow Portrait* of Elizabeth I, by Isaac Ross.]

11. The ruling in this case was compared to an "irresistible implication" in a later dissent by John Gibson, which formed the only memorable part of *Eakin v. Raub*. Revisionist scholars question the relative importance of this case in light of the earlier *Hylton v. United States*. William Cushing and Alfred Moore were out sick for this case, which was decided a week before *Stuart v. Laird*. This case arose from an order issued to Levi Lincoln, and held that the Court should not have been given original jurisdiction over writs of mandamus 14 years earlier. The plaintiff in this case was a justice of the peace for the District of Columbia, whose appointment was not delivered to thwart John Adams's "midnight judges" initiative. For 10 points, name this Supreme Court case in which John Marshall established judicial review.

ANSWER: **Marbury v. Madison**

12. An artist with this first name showed himself and a woman staring into a mirror in a response to Manet, *Picture for Women*. An artist with this first name depicted a topless Jayne Mansfield holding the Pink Panther and photographed himself having sex with his wife Ilona Staller for his *Made in Heaven* series. A photographer with this first name is known for staged, cinematic photos like *Mimic*, in which a passerby pulls on his eye as he walks by an Asian man. This first name of a photographer surnamed Wall is shared by a sculptor who created porcelain sculptures of Michael Jackson and his chimp Bubbles and a giant sculpture of a puppy made of flowers near the Guggenheim Museum in Bilbao. For 10 points, give this first name of an artist of balloon animal sculptures, surnamed Koons.

ANSWER: **Jeffrey**

13. These cells are recruited when a flippase causes extra-membrane expression of phosphatidyl-serine. In mice, these cells express the protein F4/80 ["F four slash 80"]. CCL2 directs their precursors to where they are needed during leukocyte extravasation. The two types of these cells are differentiated based on whether they metabolize nitric oxide or ornithine from arginine. Concentrations of LDL in these cells cause them to take on a foamy appearance in sufferers of atherosclerosis. They're not dendritic cells, but after entering tissue, monocytes mature into them. When targeting red blood cells in the liver they are known as Kupffer cells. For 10 points, name these large immune cells that eat foreign debris and pathogens.

ANSWER: **macrophages** [prompt on white blood cells or leukocytes before mention]

14. As a child, this character spits on a boy who is responsible for the loss of a riding whip which her father was to bring her. This character's locket contains intertwined locks of hair from two different men. This woman meets her future husband after being bitten by a bulldog and spending five weeks recuperating at his estate. A sexton is bribed to remove the board separating this woman's coffin from that of her lover's, so that their dust can commingle. The ghost of this character bleeds from being cut by broken glass after breaking through the window of Lockwood's room. This woman marries Edgar Linton, much to the chagrin of a boy adopted by her father. For 10 points, name this woman from the Earnshaw family who loves Heathcliff in Emily Bronte's *Wuthering Heights*.

ANSWER: Catherine Earnshaw [prompt on Earnshaw]

15. These things can trigger destructive behaviors called "violators" according to the Human Scale Development theory developed by Manfred Max-Neef. A set of ten of these things were grouped into trends of "moving away," "moving against," and "moving towards." Karen Horney formulated those "neurotic" types of these things, which Henry Murray combined with "presses" to assess personality in the Thematic Apperception Test. Another treatment of these things was expanded into the ERG model by Clayton Alderfer, and was based on the study of iconic individuals like Einstein and Eleanor Roosevelt. For 10 points, name these psychological entities that include self-actualization and subsistence types in a hierarchy developed by Abraham Maslow.

ANSWER: needs

16. Richard Muller proposed that comet impacts could cause "avalanches" in the region immediately below this one. That thin boundary lying below this region is home to ultra low velocity zones. After leaving this region, P-waves turn into K-waves, then become P-waves when they cross through it again. Most of the inner half of this region is composed of post-perovskite. WJ Morgan proposed that hotspots were caused by upwelling in this region. This region's upper section, dominated by pyroxene and olivine, is separated from its lower section by the 660 kilometer discontinuity. The Gutenberg discontinuity lies just below this layer's D double prime layer. Stretching to 2800 kilometers below the surface is, for 10 points, what layer, making up 85% of Earth's volume?

ANSWER: lower mantle

17. The Tahitian god Ta'aroa lived in one of these objects until he got bored and created the world. The Brahmanda Purana describes a golden one of these objects synonymous with Brahma called the Hiranyagarbha. In Pelagian myth, Ophion coiled seven times around one of these objects created by Eurynome. One of these objects containing a needle is hidden inside of a duck, inside of a hare, inside of a chest, and contains the soul of Koschei the Deathless. In Chinese myth, an axe was used to break one of these objects by Pangu, and Sun Wukong emerged from one made of stone. The wife of Tyndareus produced two of these objects that contained Castor, Pollux, Clytemnestra, and Helen after being raped by Zeus in the form of a swan. For 10 points, Leda's children hatched from what sort of object?

ANSWER: eggs

18. Henry Litolf's best-known compositions are five works in this genre, the third of which incorporates Dutch folk-tunes. The penultimate movement of a piece in this genre is a tarantella marked "All' Italiana." That piece in this genre ends with a chorus singing lines from Adam Oehlenschläger's *Aladdin* and was written by Ferruccio Busoni. Weber's *Konzerstück in F minor* is sometimes unofficially considered his third one of these pieces. The hypnoterapist Nikolai Dahl was the dedicatee of a piece in this genre that opens with eight chords representing the tolling of bells. That piece is the second of four pieces composed in this genre by Sergei Rachmaninoff. For 10 points, name this sort of musical piece written for orchestra and a keyboard instrument.

ANSWER: piano concertos [prompt on "concerto"]

19. As an adjective, this feature provides the nickname for a count who repopulated the desolate Christian-Muslim no-man's land around Ausona, and founded the monastery of Santa Maria de Ripoll. That ruler nicknamed for this feature helped unify Catalonia and was named Wilfrid. Pope Zachary gave specific orders regarding this feature when deposing Childeric III, since it was closely identified with Merovingian power. A king nicknamed for a *lack* of feature joined in the Oaths of Strasbourg and signed the Treaty of Verdun with his half-brothers Lothair and Louis the German. Tonsuring removed much of this feature and was common among monks. For 10 points, name this physical characteristic presumably lacked by Charles the Bald.

ANSWER: **hair**

20. In a work by this author, a character repeatedly mentions the boots worn by a woman's policeman brother, which appear in the background of a photograph sent by that woman. At the beginning of that play by him, one character bathes his feet while debating the merits of two brands of footsalts. Two of his characters discuss whether Alexander Fleming was a "man of magnitude" before one of them considers writing an essay on the Eastern Province ballroom dancing competition. He wrote a play in which the pen-pal Ethel Lange strains the relationship of half-brothers Morris and Zachariah, and one in which Hally's shame over his father causes him to mistreat the black servants Sam and Willie. For 10 points, name this South African playwright of *Blood Knot* and *Master Harold...and the Boys*.

ANSWER: (Harold) Athol (Lanigan) **Fugard**

BONUSES:

1. The Batalha Monastery was built at the site of this battle, which featured a company known as the Lovers' Flank. For 10 points each:

[10] Identify this battle that ended a crisis to succeed the late Ferdinand I the Inconstant on the throne. It also ended a long personal feud between rival generals, the Alvares Peirera brothers.

ANSWER: Battle of **Aljubarrota**

[10] Aljubarrota brought John I of Aviz to the throne of this country. It was led by the later Braganza dynasty during a devastating 1755 earthquake that struck its capital on the Tagus River.

ANSWER: **Portugal**

[10] John I married Philippa of Lancaster, the oldest daughter of this English nobleman. This brother of Edward the Black Prince and father of Henry IV convened the Bad Parliament during his stint as the effective ruler.

ANSWER: **John of Gaunt**, 1st Duke of Lancaster [prompt on partial answer]

2. The axons of these cells are mostly covered by a myelin sheath. For 10 points each:

[10] Identify this class of cells, in which dendrites extend from the nucleus-containing soma.

ANSWER: **neurons** [or **nerve** cells]

[10] The myelin sheath in the central nervous system is created by these cells, which wrap around far more axons than their peripheral counterparts, the Schwann cells.

ANSWER: **oligodendrocytes**

[10] Calcium waves propagate across these other glial cells, which are connected to each other by gap junctions. Their feet support an incredibly tight barrier between the blood and the brain.

ANSWER: **astrocytes** [or **astroglial** cells]

3. On a centenary of this event, Jaune Quick-to-See Smith created a collage topped by a clothesline of sports memorabilia entitled *Trade*. For 10 points each:

[10] Name this event commemorated by a painting in which the artist appears as a monk and his wife appears as the Virgin Mary on a large white banner. Much of that painting of this event is filled with improbably lengthy crosses.

ANSWER: Columbus's "**discovery**" of **America** [or obvious equivalents indicating **Columbus** arriving in **America** or the **New World**; prompt on answers like "Columbus's voyage"]

[10] This Spanish artist of *The Discovery of America by Christopher Columbus* painted melting clocks in his surreal *The Persistence of Memory*.

ANSWER: Salvador (Domingo Felipe Jacinto) **Dalí** (i Domènech)

[10] This artist used his engraving "Columbus Breaking the Egg" to promote his book *The Analysis of Beauty*.

Young comforts a half-naked man in a painting by him in which fashionably-dressed women tour an insane asylum.

ANSWER: William **Hogarth**

4. An essay attacking this novel's author claims that this novel violates eighteen of the "nineteen rules governing literary art in the domain of romantic fiction". For 10 points each:

[10] Name this novel in which Natty Bumppo tries to rescue Henry March and Tom Hutter, after they are captured by a tribe of Hurons. It is a prequel to *The Last of the Mohicans*.

ANSWER: *The **Deerslayer***

[10] *The Leatherstocking Tales* are by this American author, whose novel *Satanstoe* is the first narrated by Cornelius Littlepage.

ANSWER: James Fenimore **Cooper**

[10] A different 19<sup>th</sup>-century American character named Littlepage tells of his adventures in the North Pole in "The Waiting Place," which joins "The Bowden Reunion," "A Dunnet Shepherdess," and others in this book.

ANSWER: *The **Country of the Pointed Firs***

5. During this event, the dwarf Litr was burnt alive after being kicked into the fire. For 10 points each:

[10] Identify this event during which the ship Hringhorni was set on fire and set out to sea by Hyrrokkin. The duplicating golden ring Draupnir was placed on this event's central pyre.

ANSWER: the **funeral of Baldr** and Nanna

[10] Baldr was inadvertently killed by a mistletoe-tipped arrow shot by his brother Hodr, who had this unfortunate disability. Oedipus used pins to inflict this disability upon himself.

ANSWER: **blindness** [accept equivalents]

[10] Baldr's spirit would've been released from Hel on the efforts of his mother Frigg if it wasn't for this giantess's refusal to weep for Baldr. The *Gylfaginning* claims that this figure was Loki in disguise.

ANSWER: **Thokkr**

6. Identify these factions from the French Revolution, for 10 points each:

[10] Many of the most important figures in the French Revolution were members of this club. It eventually came to be dominated by its radical Montagnard faction, though Brissot's Girondins had earlier controlled it.

ANSWER: **Jacobin** Club [or *Club des Jacobins*; or Society of the **Friends of the Constitution**; or *Société des amis de la Constitution*]

[10] The Jacobins were opposed by this group of monarchists, who split from them. Antoine Barnave and the Marquis de Lafayette were prominent in this faction, and it controlled the government until the Girondins took over.

ANSWER: **Feuillants** Club [or *Club des Feuillants*]

[10] The Jacobins could not save this man, who was executed for leading the Conspiracy of the Equals. This proto-Communist gained fame publishing the paper *The Tribune of the People*.

ANSWER: Gracchus **Babeuf** [or François-Noël **Babeuf**]

7. In what must be the most badass line in the Bible, this man says, "I have a message from God for you," and then stabs a really fat king. For 10 points each:

[10] Identify this left-handed slayer of Eglon, who delivers the Israelites from Moab.

ANSWER: **Ehud**

[10] Ehud appears in the book of the Old Testament named for these figures, who both resolved legal disputes and led military campaigns. Other examples included Gideon and Jephthah.

ANSWER: Book of **Judges**

[10] This only female Judge teamed up with Barak to defeat the Canaanites, aided by Jael's slaying of the Canaanite general Sisera with a tent peg.

ANSWER: **Deborah**

8. The main characters of this novel enjoy listening to the music of the fictional artist Judy Brigdewater. For 10 points each:

[10] Name this novel in which Kathy, Tommy, and Ruth create art at Hailsham, a boarding school run by Headmistress Miss Emily that tries to prove that clones have souls.

ANSWER: ***Never Let Me Go***

[10] *Never Let Me Go* was written by this Japanese-British author who wrote about the life of the butler Stevens in his novel *The Remains of the Day*.

ANSWER: Kazuo **Ishiguro**

[10] In *Never Let Me Go*, these are the two societal roles for clones: the first group give their organs to "normals," while the second group nurses the first group through the process. Name both.

ANSWER: **donors** and **carers** [accept in either order]

9. This law breaks down for materials that are highly concentrated or scatter highly. For 10 points each:

[10] Name this law, which relates the properties of a material to the absorbance of light traveling through it. It is useful in spectrophotometry.

ANSWER: **Beer-Lambert**-Bouguer Law [accept either underlined name, or both in either order]

[10] This quantity, symbolized epsilon, is equal to the absorbance divided by the concentration times the path length and measures how easily light is transmitted through a material.

ANSWER: molar **extinction** coefficient [or molar **absorptivity** coefficient or molar **attenuation** coefficient]

[10] If the absorbance of a material is X, the thickness of the material is T, and the conditions for the Beer-Lambert Law hold, then what is the transmittance of the material, in terms of X and T?

ANSWER: **10 to the power of negative X** [**10<sup>-X</sup>** – note that there is no T in this formula]

10. In a parody of *Apocalypse Now*, this character intones “The horror...the horror...” upon seeing that his successor has put the “urban sombrero” on the cover of his namesake clothing catalogue. For 10 points each:

[10] Name this sitcom character played by John O’Hurley. In one episode, this character’s slice of Edward VIII’s wedding cake is eaten by Elaine Benes; and in another, he buys up the rights to Cosmo Kramer’s life stories.

ANSWER: J(acopo) **Peterman**

[10] Peterman, Elaine, and Kramer were characters on this “show about nothing,” titled for its starring comedian.

ANSWER: **Seinfeld**

[10] In an episode from the final season of *Seinfeld*, Frank Costanza shouts this two-word phrase at the top of his lungs whenever his blood pressure goes up. Lloyd Braun assures George that it leads to “insanity later.”

ANSWER: “**Serenity Now**”

11. Excrescence and paragoge are two types of this sound change. For 10 points each:

[10] Give this term for the insertion of a sound into a word. An example of this process during the evolution of Spanish from Latin is the insertion of a “b” from *hominem* to *hombre*.

ANSWER: **epenthesis** [accept **epenthetic**]

[10] Anaptyxis is a type of epenthesis that inserts these specific sounds. These sounds are produced with an open vocal tract and usually form the nucleus of a syllable. In English, they include “Ay” and “Ah.”

ANSWER: **vowels**

[10] This phenomenon in French can be analyzed as a synchronic epenthetic process. It involves the pronunciation of a normally silent word-final consonant when the following word begins with a vowel, such as “les arbres” [**lay-zarb**].

ANSWER: **liaison**

12. The composer of this piece wrote that “everything is ruined, decayed, and the heavens pour in” when describing the ruined chapel that inspired its first movement. For 10 points each:

[10] Name this work in A minor, which was intended to be played without pauses. Its second-movement scherzo in F major makes prominent use of snap rhythms.

ANSWER: Felix **Mendelssohn’s Symphony No. 3** in A minor, “**Scottish**” [accept either underlined portion; accept “Mendelssohn-Bartholdy” instead of “Mendelssohn”]

[10] The “*Scottish*” *Symphony* was composed by Felix Mendelssohn, who gained prominence for writing an overture for this Shakespeare play. That overture depicts the braying of Bottom and the scampering of fairies.

ANSWER: **A Midsummer Night’s Dream**

[10] Mendelssohn wrote eight books worth of these short piano miniatures, which include his “Spring Song” and “Spinning Song.”

ANSWER: **Songs without Words** [or **Lieder ohne Worte**]

13. This planet notably has a tilted axis of rotation. For 10 points each:

[10] Identify this planet, the seventh from the Sun. It is the nearest of the two ice giants, and many of its moons are named for characters from Shakespeare.

ANSWER: Uranus

[10] This astronomer discovered Uranus, and its two largest moons: Titania and Oberon. His son John discovered a few more.

ANSWER: William Herschel

[10] William's sister Caroline made the second observation of a comet ultimately named for this man. He is also the namesake of a large gap in Saturn's rings, which is home to the moon Pan.

ANSWER: Johann Franz Encke

14. During this event, one character argues that the woman is nothing more than "a nurse to the seed." For 10 points each:

[10] Name this event that concludes with its defendant acquitted of matricide by a tied vote, after which Athena declares that ties shall forever be decided in favor of the defendant.

ANSWER: the trial of Orestes

[10] The trial of Orestes appears in *The Eumenides*, the third play in the *Oresteia* trilogy by this Ancient Greek playwright.

ANSWER: Aeschylus

[10] In the first play in the trilogy, Agamemnon seals his fate when Clytemnestra successfully goads him into performing this profane action, while re-entering his palace.

ANSWER: walking on a red/purple carpet [accept either color; accept synonyms for color; accept all forms of synonym for carpet, including tapestry]

15. One holder of this position probably owed his career to Teddy Roosevelt's enthusiasm for chapters like "Bear Honking in the Valley of Kashmir" in his book about killing exotic animals. For 10 points each:

[10] Identify this position held by Joseph Grew, who took part in a complicated exchange of dignitaries via steamship to Mozambique after war was declared.

ANSWER: U.S. Ambassador to Japan

[10] Grew was also a major backer of this broadcasting operation, which provided information to Soviet satellites. It should not be confused with a similar effort that operated *within* the Soviet Union.

ANSWER: Radio Free Europe

[10] Grew was first appointed to his ambassadorship by this President, a former Secretary of Commerce who defeated Al Smith in 1928.

ANSWER: Herbert Hoover

16. This 1848 work coined the term "workers of the world, unite" and claims that "a specter is haunting Europe." For 10 points each:

[10] Name this seminal work by Marx and Engels that lent its name to the ideology of Marx's followers.

ANSWER: *The Communist Manifesto* [or *Manifesto of the Communist Party*; or *Manifest der kommunistischen Partei*]

[10] This earlier book by Marx and Engels is a critique of Young Hegelian thought that attacks idealism as the title philosophy.

ANSWER: *The German Ideology* [or *Die Deutsche Ideologie*]

[10] The three main targets of *The German Ideology* are Feuerbach, Max Stirner, and this Young Hegelian. Another tract by Marx and Engels attacks this man and his brother as the "Holy Family."

ANSWER: Bruno Bauer

17. This poet reinterpreted classical myths in *The Fable of Polyphemus and Galatea* and *The Fable of Pyramus and Thisbe*. For 10 points each:

[10] Name this Spanish baroque poet of *Soledades*. He is known for his bitter rivalry with compatriot Francisco de Quevedo, who caricatured this man's nose as an "upturned elephant" and an "Egyptian pyramid."

ANSWER: Luis de **Góngora** y Argote

[10] Góngora's infamously convoluted style, known as *culteranismo*, contrasted with this style employed by Quevedo. It is characterized by concision, simple vocabulary, and witty wordplay.

ANSWER: **conceptismo**

[10] Góngora comes in for much praise in *Viaje del Parnaso*, a poem about poetry by this other Spanish author, who wrote about a literature-crazed knight in *Don Quixote*.

ANSWER: Miguel de **Cervantes** (Saavedra)

18. The first President of this country had earlier been exiled due to his involvement with the Bwiti sect, which may have murdered young women after ritually consuming hallucinogenic iboga bark. For 10 points each:

[10] Identify this African country where Leon M'ba was briefly ousted in a coup led by Jean-Hilaire Aubame before being restored by paratroopers sent by de Gaulle.

ANSWER: **Gabon**

[10] M'ba's successor was this famous Gabonese autocrat, who ruled from 1967 to 2009 and became one of the wealthiest men in Africa, partly through shady deals with the French oil company Elf Aquitaine.

ANSWER: El Hadj Omar **Bongo** Ondimba [or Albert-Bernard **Bongo**]

[10] Valéry Giscard d'Estaing accused Bongo of funneling funds to this politician's failed 1981 presidential campaign. This founder of Rally for the Republic was President of France from 1995 to 2007.

ANSWER: Jacques René **Chirac**

19. This song's main rhythm is inspired by a pattern called *aksak*, which subdivides 9 beats as 2+2+2+3. For 10 points each:

[10] Name this jazz standard that includes an opening section in 9/8 and interior sections in 4/4 time. It is the opening track of the 1959 album *Time Out*.

ANSWER: "**Blue Rondo à la Turk**"

[10] *Time Out*, which also features the songs "Kathy's Waltz" and "Take Five", is an album featuring the quartet of this jazz pianist.

ANSWER: (David Warren) "Dave" **Brubeck**

[10] Brubeck wasn't the only musician fond of jazz waltzes. The waltzes "Dance Cadaverous" and "Wild Flower" appear on this album by Wayne Shorter, his sixth and most famous.

ANSWER: ***Speak No Evil***

20. This operator equals the momentum operator-squared divided by twice the mass. For 10 points each:

[10] Identify this quantum mechanical operator. The classical quantity to which it corresponds has value one-half mass times velocity-squared, and it is added to potential energy to give the Hamiltonian.

ANSWER: **kinetic energy** [or **T**]

[10] The operator for momentum is equal to the negative of this quantity times  $\hbar$ . This quantity also multiplies the partial on the left-hand side of the Schrodinger equation.

ANSWER:  **$i$  times  $\hbar$ -bar** [or  **$i$  times the reduced Planck's constant, or  $\hbar/2\pi$ ]**

[10] These transformations preserve the Hamiltonian equations of motion but change the coordinates. When generalized to symplectic geometry, they are simply called symplectic maps.

ANSWER: **canonical** transformations