x2020 WORKSHOP: We Oughtta pRopose aKronymS aHead Of Ptime

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Packet 13

Tossups

1. The speaker of one of this author's poems cites "your tumults, your marriages, aches, and your deaths" as things she stole from "damp small pulps" that she wants to watch with "gobbling mother-eye." In a different poem by this author, the speaker observes two people who "keep putting on their clothes/and putting things away" as they sit in a (*) "rented back room." Those characters are described as an "old yellow pair" who are "mostly good" as they eat the title food. This poet of "the mother" wrote a poem whose characters first "Jazz June" and then "Die Soon" after playing pool at the Golden Shovel. For 10 points, name this first African American Pulitzer winner and poet of "The Bean Eaters" and "We Real Cool."

ANSWER: Gwendolyn **Brooks** <CM>

2. An artist from this country is shown mourning in the video piece My Father. An artist from this country mimicked a reflecting pool using hundreds of shiny balls in the piece Narcissus Garden. A Fluxus artist from this country attached TV monitors to the spokes of a bicycle wheel as part of the series Duchampiana before marrying Nam June Paik. An artist from this country created the alter ego Mr. DOB and designed the cover for (*) Kanye West's Graduation in his "Superflat" aesthetic. Another artist from this country has sculpted pumpkins covered in polka dots and is known for her mirrored "infinity rooms." Artists made woodblock prints called "pictures of the floating world" in—for 10 points—what home country of Shigeko Kubota, Takashi Murakami, and Yayoi Kusama?

ANSWER: <u>Japan</u> [or <u>Nippon</u> or <u>Nihhon</u>] <JMA>

3. In a 2002 monograph on women in this city, Sarah Pomeroy discusses how its women wore the peplos for hundreds of years after it was abandoned elsewhere. This city named its peasant skiritai class after the mountainous region in which many of them lived. This city dispatched military governors called harmosts to newly conquered territories. Much of this city's trade passed through the port of Gytheio. This city's only colony was located in the boot of Italy at (*) Tarentum. This city was defeated using oblique battle order at the Battle of Leuctra. This city's Great Rhetra established rule by the gerousia and the ephors and was supposedly given by Lycurgus. Boys being schooled in the agoge system terrorized helots in—for 10 points—what militaristic Greek city-state?

ANSWER: Sparta [accept Lacedaemonia] <JM>

4. This ingredient is the defining feature of a Horse's Neck cocktail. The candy "succade" is made from this ingredient, which is dried to form the traditional Chinese seasoning and medicine *chénpí* [chuhn-pee]. A tool for extracting this ingredient is shaped sort of like a fork with a row of circular holes where the tines should be. This ingredient is chopped up with garlic and parsley to make a *gremolata*. When harvesting this ingredient using a (*) microplane, you have to be careful to avoid the pith. Either this ingredient or an olive is added to a dry martini. Cocktails are often garnished with a "twist" of this ingredient. Unlike most other preserves, marmalade must include this part of the fruit. For 10 points, name this outer part of a citrus fruit.

ANSWER: citrus **peel** [or citrus **zest**; accept **rind** or **skin**; accept more specific answers like **orange peel**; prompt on oranges, lemons, or other kinds of citrus by asking "What part of the fruit?"] <JR>

5. This tradition influenced a ninth-century philosopher to develop five "eternal principles" including matter, time, and place. Ideas from this tradition led Suhrawardī to develop the basic principles of Illuminationism. The ideas of this tradition were spread by the *Epistles* of the shadowy "Brethren of Purity." The so-called *Theology of Aristotle* paraphrases texts from *this* philosophical tradition. (*) Al-Farabi modeled his *The Virtuous City* on an originary text of this tradition. Al-Kindi used ideas from this tradition to theorize God in terms of emanations from the One. Marsilio Ficino revived this tradition, whose founding text, the *Enneads*, was compiled by Porphyry. For 10 points, what tradition spread in the Islamic world thanks to translations of Plotinus and of dialogues like the *Republic*?

ANSWER: Neoplatonism <JR>

- 6. Euphausiid [you-FOZ-ze-id] shrimp use a linearized derivative of one chemical involved in this process as the luciferin substance F. The benefits of long-term retention of this process from prey is measured in the only metazoans to use it by starving them and observing the results with PAM fluorometers. Krill bioluminescence uses a derivative of a tetrapyrrole from this process, which it obtains from the (*) dinoflagellates it eats. The Sacoglossa clade of sea slugs can perform this process using the only known animal instance of kleptoplasty. The evolution of this process triggered the creation of banded iron formations by increasing atmospheric oxygen. For 10 points, name this process by which organisms like cyanobacteria produce sugar using light.

 ANSWER: photosynthesis [or C3 photosynthesis; accept light-dependent reactions or carbon fixation; prompt on kleptoplasty before mentioned with "What process does that enable?"] <GH>
- 7. In one of this author's poems, the people of a dead man's "century" act "like an upstart hydra" and "purify the meaning of tribal words." At the end of one of this author's poems, the speaker tells two virgin nymphs "I wait the shade that you become." This poet of "The Tomb of Edgar Allan Poe" wrote about a set of "eternal circumstances/from the (*) depth of a shipwreck" in a poem with variation in text size and spacing. This man's death catalyzed the Great Silence of Paul Valery. For 10 points, name this Symbolist poet of "A Throw of the Dice Will Never Abolish Chance," who inspired a Claude Debussy composition with his poem "The Afternoon of a Faun."

ANSWER: Stéphane **Mallarmé** [mah-lar-MAY] <AR>

- 8. A common pigment of this color was once made from lac resin. The background of the *Lady and the Unicorn Tapestries* is dominated by this color, which was produced using a dye made from the madder plant. This is the main color of the background in the paintings at the Villa of the Mysteries. Human forms could be depicted in greater detail at the cost of an earlier color-based sex distinction after a switch to using this color. The insect-based dyes kermes and (*) cochineal were often used for this color, while mercury sulfide was ground to make another pigment of this color. The Andokides painter may have pioneered the use of this color to depict people, superseding the black-figure style. For 10 points, name this color of the pigment vermilion.

 ANSWER: red [accept red-figure pottery] <AR>
- 9. One song created during this period includes the line "life and growth depend on the sun" and analogizes the state to a ship dependent on its captain. This period saw an overthrow of municipal leaders known as the "January Storm." This period's beginning is often attributed to a critical review of an allegorical play about a medieval official who was "dismissed from office". After he was involved in the failed project 571 during this movement, one hard-line official had his plane mysteriously crash in (*) Mongolia. Millions of young people from cities were sent to work on farms during this movement's "Down to the Countryside Movement." Red Guards attacked the "Four Olds" with "big-character posters" during, for 10 points, what anti-traditionalist movement that tried to restore Maoism to China?

ANSWER: The Great Proletarian <u>Cultural Revolution</u> [or Wúchănjiējí <u>wénhuà dàgémìng</u>, or Wu-ch'an Chieh-chi <u>Wen-hua Ta Ke-ming</u>] <GC> [Ed. JM]

10. Measurements of this process are calibrated using the sound horizon of baryon acoustic oscillations, which is fixed with respect to this process. This process occurs to an unphysical degree when w is less than negative one, and "quintessence" models can vary w to increase this process's magnitude. This process is the sole source of time-dependence in the (*) FLRW metric. The comoving distance is independent of this process because it is proportional to the scale factor. Observations of type Ia ["one A"] supernovae show that the dark-energy dominated era is beginning and this process is accelerating. The redshift of distant objects is proportional to their distance because this process occurs uniformly in all space. For 10 points, name this process whose rate is the Hubble parameter.

ANSWER: <u>expansion of the universe</u> [or <u>expansion of space</u>; accept answers indicating the <u>universe</u> as a whole <u>getting bigger</u>; accept <u>acceleration of the universe's expansion</u>; prompt on <u>expansion</u> or <u>acceleration of expansion</u> with "Of what?"; prompt on <u>Doppler shifting</u> or <u>redshifting</u> | GH>

- 11. Participants in tantric rituals use one of these objects in the left hand, as is typical for images of tantric deities like Vajrasattva, since this object is the "female" counterpart of the "male" vajra. That form of these objects represents prajña, or wisdom, and is called the tribu. In the Yayoi period, one type of these objects was buried to ensure good harvests. Another type of these objects is hung under the (*) eaves of Shinto shrines. Twelve of a smaller type of these objects are hung in three tiers on a rod held by miko during the kagura dance, for which they serve as accompaniment. The dōtaku and suzu are examples of these objects. Japanese New Year is celebrated with 108 strikes on—for 10 points—what musical instruments made of metal?

 ANSWER: bells [accept tribu, dōtaku and suzu before mentioned; accept bonshō or tsurigane] <GH>
- 12. Description Acceptable The nobility of Cologne seized power from its town council in 1370 after an uprising of workers in this industry. Merchants and workers in this trade were led by Jacob van Artevelde in a revolt that overthrew the pro-French Louis I. A couplet in the Canterbury Tales that describes the Wife of Bath as "show[ing] so great a bent/ she betted those of Ypres and of Ghent" reflects (*) Flanders' dominance of this profession. Michele de Lando, a former worker in this profession, oversaw a massacre of protestors chanting "long live the popolo minuto" during a different revolt named for workers shut out of guilds in this trade. Workers in this industry name the ciompi revolt that briefly led to their recognition as a guild. For 10 points, name this industry whose workers included the Luddites, who destroyed mechanized looms.

ANSWER: <u>Weaving</u> [or word forms; accept <u>Cloth</u> or <u>Textile</u> Industries or Trades; accept <u>wool</u>; accept <u>silk</u> after canuts; accept <u>cotton</u> after machine-breaking; prompt on <u>Merchants</u> or similar answers with "Merchants for what?"] <MBo>

13. This substituent is the only one to make compounds both hydrophobic and lipophobic, allowing molecules tagged with it to form a distinct phase in solid-phase extractions. A negative charge is symmetrically distributed over twenty-four atoms of this element in the weakest-coordinating anion known. NFSI is a source of this element in radical additions; those reactions are particularly difficult because the radicals of this element are (*) reactive enough to break carbon-carbon bonds. The functional group consisting of carbon bonded to three of this element is strongly electron-withdrawing. Carbon's strongest single bond is with this element, with which teflon is fully substituted. For 10 points, name this most electronegative element, the lightest halogen. ANSWER: fluorine [or F; accept fluorous chemistry] < GH>

14. A piece of this type begins with three bars of D-minor triads before the pedal point descends to C and the chord changes to first-inversion A-minor. Supposedly, the composer of one of these pieces had to rush in to conduct its premiere when the conductor tried to sabotage him by taking a pinch of snuff. The seventh movement of that piece of this type begins with a fugue played around the ostinato "A, B-flat, A." A "quiet" piece of this type later inspired the most famous work by Maurice (*) Duruflé. Hector Berlioz's piece of this type uses four offstage brass bands. A soprano soloist sings the "Pie Jesu" in another piece of this type, which unusually concludes with an "In Paradisum" and omits the "Dies irae." Gabriel Fauré wrote a D-minor setting of—for 10 points—what Latin mass for the dead?

ANSWER: requiem [or Grande Messe des Morts; prompt on mass or messe] <CS>

15. A text attributed to this figure mentions seventy secret books alongside the Tanakh and is variously numbered as this figure's second, third, or fourth book. A book named for this figure ends mid-sentence and includes a contest between three guardsmen. An imperial letter to this figure exempts priests from taxation and gives this man large amounts of goods and money to use for offerings. This man, who gets an apocryphal (*) second book in the Septuagint, tore his clothes upon learning that Jewish men have married gentiles, whom he then expels. This man read the Torah to the Israelites after gaining the support of Artaxerxes and rebuilding the Temple. For 10 points, name this scribe whose Biblical book is typically paired with Nehemiah.

ANSWER: Ezra [or Esdras] <GH>

16. A novel set in one of these places features a Holocaust survivor who claims the Devil sold him his soul when he conceived of his alphabetic tribute to Bach. The protagonist of a 1963 novel set in one of these places is attracted to his inability to analyze Shakespeare's 73rd sonnet. That novel bewilderingly became a European bestseller in 2013. In a novel purportedly written by the computer (*) WESCAC, Max Spielman raises the title character at one of these places. Randall Jarrell based his only adult novel on his time working at one of these places with Mary McCarthy. In another novel set at one of these places, the protagonist is fired after a drunken lecture about "Merrie England." For 10 points, name these places that are the settings of novels like Stoner, Giles Goat-Boy, and Lucky Jim.

ANSWER: college campuses [accept just campus, college, or university; accept women's college] <JMA>

17. This colony's leadership required its residents to grow mulberry trees to serve on its assembly to promote silk production, but the silkworms involved kept dying. Pastor Johann Boltzius led a group known as the Salzberger Emigrants, who established a utopian community in this colony's Effingham County. This colony was governed by a group of "trustees" convened by a leader whose namesake plan founded this colony's capital on the (*) Altamaha River. A fort in this colony was renamed Fort Cornwallis in 1779 before falling to a continental siege in 1781. The Battle of Bloody Marsh was fought to defend this colony from Spain. This colony was founded as a refuge for the "worthy poor" from debtors' prisons. James Oglethorpe founded—for 10 points—which colony's capital of Savannah?

ANSWER: Georgia Colony <ZF>

18. Copper structures named for undergoing this phenomenon are used to adjust the magnetic susceptibility of metamaterials and can create negative indices of refraction; those structures are made of two concentric rings with slits on opposite sides. Another form of this phenomenon creates density waves in spiral galaxies between "inner" and "outer" radii. This phenomenon causes the response curve of a (*) damped oscillator to have a Lorentzian profile. For a driven system, the denominator of amplitude has a factor of the squared difference between driving frequency and this phenomenon's namesake frequency, meaning that amplitude is maximized when this phenomenon occurs. For 10 points, name this phenomenon that causes a system's oscillations to grow when driven at a certain frequency.

ANSWER: <u>resonance</u> [accept word forms; accept split-ring <u>resonator</u>; accept Lindblad <u>resonance</u>; accept orbital <u>resonance</u>; accept mechanical <u>resonance</u>] < GH>

- 19. This thinker worked as a blackjack dealer in Las Vegas as part of his research for an unfinished book studying gambling as a "prototype of action." Parts of that work were published as this thinker's essay "Where the Action Is." Based on fieldwork in the Shetland Islands, this thinker theorized that "teams" collaborate to keep dark, strategic, and inside secrets. In this thinker's best-known work, he contrasts the expressions that people "give" and those that they "give off." That work introduced the terms (*) "front stage" and "back stage" to analogize social life as performance as part of this thinker's "dramaturgical" model of interaction. For 10 points, name this sociologist who authored *The Presentation of Self in Everyday Life*. ANSWER: Erving Goffman <ES>
- 20. In one poem in this collection, the speaker gives "deep thanks to all / Who paused a little near the prison-wall / To hear my music," while another wonders, "Could it mean / To last, a love set pendulous between / Sorrow and sorrow?" The addressee of another poem in this collection has "the power" and "the grace" to "look through and behind this mask of me." One poem's speaker asserts that "my (*) future will not copy fair my past". and another urges the addressee to "catch the early love up in the late" and "call me by my pet name!" In another poem in this collection, the speaker performs the title action "as men strive for Right" and "as they turn from Praise" and begins, "How do I love thee? Let me count the ways." For 10 points, name this poetry collection by Elizabeth Barrett Browning.

ANSWER: Sonnets from the Portuguese <EF>

2020 WORKSHOP

Packet 13

Bonuses

1. Gregers unveils Gina Ekdal's affair in this play, sparking disaster. For 10 points each:

[10] Name this play. At the end of this play, Hedvig shoots himself after being asked to sacrifice the title bird.

ANSWER: The Wild Duck [or Vildanden]

[10] At the end of this play, Nora Helmer slams the door on her husband Torvald. Like *The Wild Duck*, it was written by Henrik Ibsen.

ANSWER: <u>A Doll's House</u> [or Et <u>dukkehjem</u>]

[10] This Austrian author of *The Piano Teacher* wrote a sequel to *A Doll's House* called *What Happened After Nora Left Her Husband*.

ANSWER: Elfriede Jelinek <AK>

- 2. Wielders of these weapons were integrated into formations of musketeers to ward off cavalry in the "Spanish square". For 10 points each:
- [10] Name this primary infantry weapon of *landsknechts*, which were replaced as a stabbing weapon by bayonets. This weapon consisted of a long pole with a metal tip.

ANSWER: pike

[10] Another major early modern innovation in military technology occurred when this Marshal of France developed his Landau System of fortifications. This engineer also designed the "Gibraltar of the North" at Luxembourg.

ANSWER: Sébastien Le Prestre de <u>Vauban</u> [or Marquis de <u>Vauban</u>]

[10] In addition to several other military innovations, Gustavus Adolphus of Sweden was the first to use this material to coat light guns. Guns made with this material were light enough for two men to operate.

ANSWER: <u>leather</u> <JM>

- 3. Answer the following about depictions of Christ in modern art, for 10 points each.
- [10] This artist interspersed shots of threading his own mouth shut with footage of ants crawling over a crucific in his 1987 AIDS awareness film *A Fire in My Belly*. This artist, who died in 1992, was featured in the 2018 Whitney exhibit *History Keeps Me Awake at Night*.

ANSWER: David Wojnarowicz [wah-nah-ROH-vich]

[10] In 2011, protestors destroyed a print of Andres Serrano's picture of a crucifix submerged in *this* substance. Jesse Helms proposed "general standards of decency" for NEA grants after seeing Christ in this substance.

ANSWER: <u>urine</u> [accept <u>Piss</u> Christ; accept synonyms like <u>pee</u>]

[10] In response to the "godlessness" of World War I, Heitor da Silva Costa designed a massive open-armed statue of *Chris the Redeemer* overlooking *this* city.

ANSWER: Rio de Janeiro <GE>

- 4. The PPT criterion is a necessary condition for a low-dimensional state to possess this property. For 10 points each:
- [10] Name this property that a state has when its Schmidt decomposition has only one non-zero coefficient. The Hahn–Banach theorem implies the existence of a Hermitian operator H such that the trace of the product of H and any state with *this* property is greater than or equal to zero.

ANSWER: **separability** [or **separable**]

[10] The PPT criterion is based on the eigenvalues of *this* matrix's partial transpose. While pure states can be represented by a single wave function, mixed states are represented with this matrix.

ANSWER: <u>density</u> matrix [accept <u>density</u> operator]

- [10] The density matrix is used to define the von Neumann form of *this* quantity, which in general measures a system's level of disorder. The similar Shannon form of this quantity measures a random variable's unpredictability. ANSWER: von Neumann <u>entropy</u> [or Shannon <u>entropy</u>; prompt on \underline{S} ; prompt on \underline{H}] <JS>
- 5. This group beheaded one god after his companion only ever said "Let others decide!" in his absence. For 10 points each:
- [10] Name this group of gods, who felt they had been cheated in the exchange that ended a war with a larger group. The god that this group gave to their enemies went on to marry a goddess who thought his feet the most attractive. ANSWER: **Vanir** [or **Van**r; prompt on <u>Aesir-Vanir</u> war; prompt on <u>Norse</u> gods] (Ullr thinks Njord's feet are beautiful)
- [10] The truce that ended the Aesir-Vanir war inadvertently birthed a god who was killed to create this substance. This substance was formed by mixing Kvasir's [kuh-VAH-seer] blood with honey and could grant skaldship.

ANSWER: the **Mead of Poetry** [or **Poetic Mead**; **Mead of Suttungr**; prompt on <u>mead</u>]

[10] The Mead of Poetry was stolen from the giant Suttungr [SOO-toon-guhr] by the All-Father, this one-eyed ruler of Asgard.

ANSWER: Odin [accept Wotan or Woden] <SdL>

- 6. In October 2019, anti-mining protesters attacked a base of the Rapid Support Forces in this country's region of South Kordofan. For 10 points each:
- [10] Name this country where the Rapid Support Forces are based. Their leader, General Hemeti, was named to this country's Sovereignty Council after serving as the deputy head of its predecessor, the Transitional Military Council. ANSWER: Republic of the **Sudan** [or Jumhūriyyat as-**Sūdān**]
- [10] The Rapid Support Forces formed from these Arab tribal militias that operate in Sudan and eastern Chad. Like these groups, the Rapid Support Forces are accused of war crimes against the Fur, Maasalit, and Zaghawa peoples.

ANSWER: Janjaweed

[10] Those Janjaweed war crimes were mostly committed in this area of this Western Sudanese region as part of what has been labeled the first genocide of the 21st century.

ANSWER: Darfur <KF>

- 7. After being deposed, Khosrow II of this dynasty regained his throne with the help of the Byzantine Emperor Maurice, but later invaded the Byzantine Empire after Maurice was himself usurped by Phocas. For 10 points each:
- [10] Name this last pre-Islamic Persian dynasty, which unsuccessfully besieged Constantinople in 626.

ANSWER: Sassanian dynasty [accept Sassanid dynasty or House of Sasan]

[10] Phocas' failure to confront the Persian threat led to his own 610 overthrow by this son of an Exarch of Carthage. This emperor eventually repelled the Sasanians before losing much of the empire to Muslim conquest.

ANSWER: Heraclius

[10] Heraclius' first counterattack against the Persians was routed outside this city, whose subsequent fall split the empire in two. Rashidun forces later captured this city after crossing the Orontes at the Battle of the Iron Bridge.

ANSWER: **Antioch** <KF>

- 8. This novel originally featured an epilogue in which the title character and his lover are found living together and working as woodcutters several years in the future. For 10 points each:
- [10] Name this novel in which the male narrator engages in relationships with gentleman Clive Durham and gamekeeper Alec Scudder.

ANSWER: Maurice

[10] This author of *Maurice* sought to write a story about homosexuality with a happy ending, although it was ultimately not published until after his death in 1970. He also wrote *A Passage to India* and *A Room with a View*.

ANSWER: E(dward) M(organ) Forster

[10] In his book *Aspects of the Novel*, Forster claims that all characters can be categorized into these two types, distinguished by their level of development. All or nothing, name both.

ANSWER: **flat** AND **round** [or **round** AND **flat**] <JMA>

- 9. In this country, *Shur* is one of seven "modes" composed of melodic prototypes called *gusheh-ha*. For 10 points each:
- [10] Name this country, whose traditional music is improvised in dastgāhs, which comprise the radif.

ANSWER: Islamic Republic of <u>Iran</u> [accept <u>Persia</u> classical music]

[10] This is the name for a lute-like plucked string instrument of Persia. The three-string variant of this instrument has the prefix *se*-, which makes it almost share its name with a suspiciously similar Indian instrument played by Ravi Shankar.

ANSWER: <u>tār</u>s [accept <u>sitar</u>s]

[10] Similarly, the name of the Indian *tanpura* also probably derives from Persian. The *tanpura* plays *this* kind of accompaniment, in which it continuously holds one or two pitches, as in the lower-pitched notes of bagpipes.

ANSWER: **drone**s [or **bourdon**s] <JR>

- 10. This author's best-known work is addressed to an "enthusiastic Platonist" and divides its subject matter into Ionian and Italian schools. For 10 points each:
- [10] Name this author whose *Lives and Opinions of Eminent Philosophers* is one of the main surviving sources for the ideas of Chrysippus and other Stoics.

ANSWER: <u>Diogenes Laërtius</u> [prompt on partial answer; do not accept or prompt on others named Diogenes] [10] *Another* Diogenes, a Cynic philosopher from Sinope, is said to have brought a plucked one of *these* birds into Plato's Academy to refute his definition of man as a "featherless biped."

ANSWER: **chicken**s [accept **fowl**s or equivalents; or **alektryóna**]

[10] Diogenes of *Apollonia* held that *this* member of the four elements is the *arche*, or the source of all being. Unlike Thales and Heraclitus, Anaximenes also believed that this element is the *arche*.

ANSWER: air [or mist or vapor] (Thales thought the arche was water; Heraclitus thought it was fire.) <MB>

- 11. Carl Woese [WOHZ] found that these organisms are different from bacteria, and are in fact more closely related to eukaryotes. For 10 points each:
- [10] Name this domain of "ancient" microbes famous for living in extreme conditions, like hot springs, hydrothermal vents, and hypersaline lakes.

ANSWER: archaea [singular archaeon]

[10] This hyper·thermo·philic archaeon grows optimally at 100 degrees Celsius. Its DNA polymerase is often used in PCR, since has better accuracy and heat tolerance than the earlier *Taq* polymerase.

ANSWER: <u>Pyrococcus furiosus</u> [prompt on <u>Pyrococcus</u>; prompt on <u>Pfu</u>]

[10] *P. furiosus* reduces this element to remove toxic hydrogen gas from its environment. Many other hyperthermophiles reduce this element at the terminus of their electron transfer chain.

ANSWER: $\underline{\textbf{sulfur}}$ [or $\underline{\textbf{S}}$] <GH>

- 12. This president joined an international wave of imposing trade restrictions with the Smoot-Hawley Tariff. For 10 points each:
- [10] Name this President who presided over Black Tuesday and criticized his successor's New Deal policies.

ANSWER: Herbert Hoover

[10] This treasury secretary under Hoover, Warren Harding, and Calvin Coolidge imposed laissez-faire policies that helped cause the Great Depression. The National Gallery of Art was in large part drawn from this Pittsburgh magnate's collections.

ANSWER: Andrew Mellon

[10] One of the good things that Hoover did was to back the creation of this government agency in 1932. Led through most of the Great Depression by Jesse H. Jones, this agency provided loans to railroads, banks, agricultural institutions, and public works until it was abolished in 1957.

ANSWER: Reconstruction Finance Corporation <EL>

- 13. This character laughs at the statue-like appearance of his shocked companions in the Act 1 finale "Fredda ed immobile" [FREH dehd ee-MOH-bee-lay]. For 10 points each:
- [10] Name this "do-it-all" operatic character who repeatedly sings his own name interspersed with the words "Bravo, bravissimo!" at the end of his tongue-twisting Act I entrance aria.

ANSWER: **Figaro** (That aria is "Largo al factotum.")

[10] Figaro helps Count Almaviva and Rosina in *this* Italian composer's opera *The Barber of Seville*. He also wrote the grand opera *William Tell* and the *opera seria Semiramide* [say-mee-RAH-mee-day].

ANSWER: Gioachino (Antonio) Rossini

[10] This first *opera seria* by Rossini introduced innovations like the use of the chorus and shortening of the recitatives. Marilyn Horne helped revive this opera by championing its aria "Di tanti palpiti."

ANSWER: Tancredi <MJ>

- 14. Much of Dorothy Eggan's writing focused on the significance of these events in the context of anthropology. For 10 points each:
- [10] Identify these events. Anthropologists used these events' namesake "time" as the English translation for the concept of *alcheringa* in Aboriginal culture.

ANSWER: dreams [accept dreaming or Dreamtime]

[10] Eggan's fieldwork was focused on dreams among this indigenous American tribe that today mostly lives in Arizona. Benjamin Whorf's studies of this group's grammar led to the myth that they have no concept of time.

ANSWER: **Hopi** [or **Hopi**tuh Shi-nu-mu]

[10] While working as a secretary at the University of Chicago, Eggan befriended this anthropologist, whose ethnographic fieldwork in the Andaman Islands contributed to his theory of structural-functionalism.

ANSWER: Alfred Radcliffe-Brown <ES>

- 15. Rocks brought back from the Apollo missions were the first evidence of this event, which was dubbed the lunar cataclysm when the rocks proved to have significantly clustered melt dates. For 10 points each:
- [10] Name this event which believed to have occurred about 4 billion years ago, in which many asteroids and comets hit the inner planets. Most of Earth's surface may have been re-melted by this event.

ANSWER: Late Heavy Bombardment [or LHB]

[10] This model posits that the giant planets were originally closer to the Sun, and their outward movement caused the LHB. The scattering of smaller bodies in this model also explains the Kuiper Belt's low mass.

ANSWER: Nice [neess] model

[10] In the Nice model, the outward migrations began when Saturn and this planet passed through an orbital resonance. Orbital resonance with this planet prevents objects from occupying Kirkwood gaps in the asteroid belt.

ANSWER: Jupiter <GH>

- 16. In one play, a lector reads to a group of cigar rollers in Ybor City from a novel about this character. In the novel titled for this character, she is shocked when Frou Frou dies in a steeplechase race. For 10 points each:
- [10] Name this character. Nilo Cruz wrote a play titled for this character "in the Tropics."

ANSWER: Anna Karenina

[10] Nilo Cruz studied at Brown under Paula Vogel, who is best known for a play titled for learning to perform this action. Hoke Colburn performs this titular action for Miss Daisy in an Alfred Uhry play.

ANSWER: driving

[10] Another student of Paula Vogel is this playwright of *Water by the Spoonful*, which is part of a trilogy about a Puerto Rican Iraq War veteran. She is more famous for writing the book for the Lin-Manuel Miranda musical *In the Heights*.

ANSWER: Quiara Alegría Hudes < JMA>

- 17. A protein that binds this element in the blood uses two tyrosine residues and an aspartic acid residue to balance the +3 charge of this element's primary biological ion. For 10 points each:
- [10] Name this metal whose atoms make up half of the cube-shaped structures found in many electron-transfer proteins.

ANSWER: <u>iron</u> [accept <u>Fe</u>3+; accept <u>ferric</u> ion]

[10] Excess iron in the blood can be treated with the "therapy" named for this process, in which a ligand coordinates to a metal atom at multiple sites. EDTA can be used to remove heavy metals from the blood via this process.

ANSWER: **chelation** [accept **chelation** therapy]

[10] An ion of ferrocene is used as an electron acceptor in a common method for measuring *this* compound's concentration in the blood developed by Cass et al. This compound is oxidized to hydrogen peroxide and GDL by its namesake flavin-containing oxidase, driving a current at a carbon electrode.

ANSWER: **glucose** [or $\underline{\mathbf{C}}_{6}\underline{\mathbf{H}}_{12}\underline{\mathbf{O}}_{6}$] <VD>

- 18. In one equation, this value equals the quotient of the currency-deposit ratio plus one, over the product of the currency-deposit ratio and reserve-deposit ratio. For 10 points each:
- [10] Name this value, also commonly calculated as the monetary base times the money multiplier.

ANSWER: **money supply** [prompt on M]

[10] The Federal Reserve can affect the money supply by changing this quantity, the percentage of a bank's deposit liabilities that it must keep on hand.

ANSWER: <u>required reserve</u> ratio [accept <u>reserve requirements</u> or <u>cash reserve</u> requirement; prompt on <u>excess</u> reserves]

[10] The main way that the Fed conducts monetary policy is by ordering its New York desk to trade bonds with this government department currently led by Steve Mnuchin.

ANSWER: Department of the <u>Treasury</u> <GE>

- 19. This city was the capital of an empire most notably led by King Anawrahta. For 10 points each:
- [10] Name this city, the capital of a state ruled by the Pyu people. Its hegemony was succeeded by the Hanthawaddy Kingdom.

ANSWER: Pagan [buh-GAHN] [accept Bagan]

[10] The hundreds of pagodas in Pagan are topped with metal ornaments meant to mimic these objects, one of which also tops the Shwedagon Pagoda. These objects are referred to as *chhatra* in Hinduism and also name a royal title adopted by rulers of the Maratha confederacy, including Shivaji.

ANSWER: umbrellas [accept parasols, hti]

[10] The Pagan Kingdom fell due to instability after an invasion by this founder of China's Yuan Dynasty, a Mongol ruler who was the grandson of Genghis Khan.

ANSWER: Kublai Khan < JM>

- 20. A poet with this surname "couldn't stop / laughing—the 283 poems already inside him" according to *Night Sky with Exit Wounds*, which alludes to that poet's memorization of his own poems while imprisoned. For 10 points each:
- [10] Identify this surname. Another author with this surname wrote a novel about a communist spy who has an affair with Ms. Mori and leaves Los Angeles to work on a film in the Philippines.

ANSWER: Nguyen ["win" or "noo-WIN" or "NEW-yen" or "nuh-WIN"] [accept phonetic pronunciations]

[10] Night Sky with Exit Wounds describes "Milkflower petals on a black dog / like pieces of a girl's dress" in a poem of this type "with Burning City." Another of these poems by Philip Larkin begins, "I work all day, and get half-drunk at night."

ANSWER: aubade

[10] "Aubade with Burning City" contrasts "the square below: a nun, on fire, / runs silently toward her god" with the lyric "I'm dreaming / to hear sleigh bells in the snow," which is from a song titled "White" *this* holiday.

ANSWER: Christmas < CMA>

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