2021 Semi-Serious Charity Tournament Packet 1 (by Kurtis Droge)

Tossups

1. Not finding these animals in Paris, one filmmaker had them shipped from Cadaques [kuh-duh-KAYZ] to the French capital. These animals appear in a painting of the artist's caricatured face supported by crutches titled Soft Self-Portrait with Fried Bacon. These animals are on top of the (*) abdomen of an oversized grasshopper in *The Great Masturbator*. A hand covered with these animals is a motif in the film *An Andalusian Dog*. For 10 points, Salvador Dali depicted what insects swarming on a clock in *The Persistence of Memory*? ANSWER: <u>ant</u>s [prompt on <u>insect</u>s before read] <Visual Arts>

2. It's not corn, but a sacred wine called tiswin is made from this type of plant by the Tohono O'odham [toh-HOH-noh OH-OH-dam] people. A variety of this type of plant produces edible cholla [CHAA-luh] buds. Preparing this type of plant for consumption often involves removing its glochids and its so-called "eyes." This type of plant produces the (*) pitaya fruit or dragon fruit. In Mexico, "tuna" refers to the fruit of this type of plant, while "nopal" refers to its pads. For 10 points, the opuntia genus of what type of plant is known as the prickly pear?

ANSWER: <u>cactus</u> [accept <u>saguaro</u> cactus before "cholla"; accept cholla <u>cactus</u>; prompt on <u>opuntia</u> or <u>prickly pear</u> before read; prompt on <u>Selenicereus</u> or <u>Stenocereus</u>] <My Choice>

3. A pianist from this country claimed that breakdancing helps to clear his mind before performances and created the albums *Piano Reflections* and *Piano Encores*. A pianist from this country played a movement of a piano concerto called "Defend" a river in this country at a (*) 2008 ceremony. A musician whose heritage is from this country performed at Ground Zero on the first anniversary of 9/11, playing a sarabande from a Bach cello suite. For 10 points, name this country of heritage of Ji Liu, Lang Lang, and Yo-Yo Ma. ANSWER: <u>China</u> <Auditory / Other Arts>

4. Milton Shipp posthumously pardoned a man of this nickname one hundred years after his death for the murder of the foreman Frank Langdon. A man with this nickname and the surname Kehoe was a leader of the Molly Maguires. One man received this nickname for commanding the (*) Tenth Cavalry Regiment in Fort Assiniboine. That man with this nickname led the Pancho Villa Expedition as well as the American Expeditionary Force during World War One. For 10 points, give this nickname of general John Pershing. ANSWER: <u>Black Jack</u> [do not accept or prompt on answers including racial slurs, obviously] <American History>

5. A group of Chinese researchers claimed that the Yangshao Culture tamed these animals by dating remains in Quanhucun. One of these animals is buried next to a

human in a gravesite from Shillourokambos [SHILL-or-oh-KAHM-bos] on Cyprus dating to 7,500 BC. Virtually all modern examples of these animals trace their lineage back to the (*) *silvestris lybica* species. It is often held that these animals "domesticated themselves." A site near Bani Hasan held thousands of Egyptian mummies of, for 10 points, what members of the family *Felidae*?

ANSWER: domestic <u>cat</u>s [or felis <u>cat</u>us; accept <u>leopard</u> cats during the first sentence; prompt on <u>felis</u> silvestris lybica]

<Bio / Chem>

6. In a humorous passage, the author of this book admits that he doesn't know about the Elizabethan-era game of Trolmydames [TROLL-my-dames]. This book's author attacked two favorable reviews of this book as disingenuous in the "Letter to Chesterfield." Jemima Pinkerton gives a copy of this book to (*) Becky Sharp, which she then throws out of a carriage window, at the start of *Vanity Fair*. It took its author seven years to complete this book published in 1755. For 10 points, name this reference book by a friend of James Boswell. ANSWER: Samuel Johnson's Dictionary [or A Dictionary of the English Language; prompt on dictionary by asking "written by whom?"] <Anglo Lit>

7. After this type of event, Molchalin molests the maid Liza in the play *Woe from Wit*. This type of event prevents a man from besting Makhotin and Gladiator, and is caused by nerves after he learns that his (*) lover is pregnant. After this type of event during Carnival, Donna Matilda takes a man to a villa and acts as the Marchioness of Tuscany, while the man madly believes himself to be the emperor *Enrico IV*. For 10 points, what type of event injures Count Vronsky and causes the mare Frou-Frou to have to be put down? ANSWER: <u>fall</u>ing off a <u>horse</u> [accept anything about <u>accident</u>s on <u>horse</u>back] <Euro / World Lit>

8. A woman of this married surname was called her father's "Champion Redoubtable" and campaigned on his behalf in Paisley. Three generations of this surname have entered the House of Lords from Yarnbury. This was the married surname of H.H. Asquith's daughter Violet, who wrote about her late best friend in *Winston Churchill as I Knew Him.* An (*) actress of this surname played The Queen Mother opposite Colin Firth's George VI in the film *The King's Speech*. For 10 points, give this surname of British actress Helena.

ANSWER: **Bonham Carter** [accept Violet **Bonham Carter** or Helena **Bonham Carter**; prompt on partial answers] <GK / Other>

9. A senile king named Charles who held this regnal number was succeeded by Jean Bernadotte. The death of Margaret, Maid of Norway touched off a dispute between this many claimants of the Scottish throne. Casimir IV allied with rebellious Prussian cities in a war of this many (*) years that ended with territorial losses for the Teutonic Knights. A monarch of this regnal number married Anne of Austria and was the son of Marie d'Medici. For 10 points, Cardinal Richelieu advised the French king Louis of what number? ANSWER: **thirteen** [accept Charles **XIII** or **Thirteen** Years' War or Louis **XIII**] <European History>

10. This type of troops inflicted heavy casualties upon the army of Conrad III at the Second Battle of Dorylaeum [dor-ee-LAY-um]. The Crusader kingdoms employed some of these troops called Turcopoles. The general Surena used a chain of camels to increase the effectiveness of this type of troops in his victory at the Battle of (*) Carrhae. These troops often employed a tactic called the "Parthian Shot" to harass enemy pursuers. The Scythians and Mongols frequently utilized, for 10 points, what type of cavalry armed with bows and arrows?

ANSWER: **mounted archer**s [or **horse archer**s; prompt on <u>archer</u>s; prompt on <u>light cavalry;</u> prompt on <u>skirmisher</u>s; prompt on <u>cavalry</u> before read] <World History>

11. These objects provide the surname of Falia, who has her tongue cut out and is tied to the prow of the *Silence*. For his singing prowess, Bael the Bard asks a lord for one of these objects, then impregnates the lord's daughter. One of these objects appears in "a chink in a (*) wall of ice" in a dream of Daenerys Targaryen [duh-NEH-rus tar-GEH-ree-uhn], hinting that Jon Snow's mother is Lyanna Stark. Sir Loras is nicknamed the "Knight of" these objects, as they are the symbol of House Tyrell. For 10 points, the blue winter rose is one of what objects?

ANSWER: <u>flower</u>s [accept <u>rose</u>s before read] <Pop Culture>

12. One of these animals tells a fable in which a martin convinces some swallows not to migrate, then they all die in the cold. One of these animals represents the Anglican Church in a long poem written after its author's conversion to Catholicism in the 1680s. A great "will" that stands "numb" is encircled by the (*) "ritual dance" of one of these animals in a poem in which there is no "world" behind a "thousand bars." John Dryden contrasted a "Hind" with, for 10 points, what cat that titles a Rainer Maria Rilke poem? ANSWER: <u>panther</u>s [prompt on <u>cat</u>s before read] <Any Lit>

13. Lord Kelvin patented Kelvin's Spheres or Kelvin's Balls to improve the function of this device. Flavio Gioja [FLAH-vee-oh JOY-uh] introduced a fleur-de-lis design for this device adopted in medieval Europe. Early versions of this device were used for geomancy and, along with (*) paper, gunpowder, and printing, comprise the Four Great Inventions of China. In the medieval Muslim world, the "dry" variety of this device was used to find the qibla. Lodestone was used in, for 10 points, what device that uses magnetization to identify directions? ANSWER: compass

<Physics / Other Sci>

[Note to players: the answer to this tossup is a single, English word]

14. FCC v. ITT World Communications, Inc. held that an act known by this name did not apply to consultative process sessions, only requiring agency meetings to be public. A policy known by this name led to the establishment of a tourist region around Diamond Mountain and the construction of the (*) Kaesong Industrial Region. In the U.S., freedom of information laws are also known by this name. Kim Dae-jung's policy of engagement towards North Korea is known by, for 10 points, what official state nickname of Florida? ANSWER: <u>sunshine</u> [accept Government in the <u>Sunshine</u> Act or <u>sunshine</u> laws or <u>Sunshine</u> Policy or <u>sunshine</u> state] <Any History>

15. Casey Due and Mary Ebbott wrote a book titled for this section of a larger work "and the Poetics of Ambush," in which they argued that its language and structure draw from contemporary oral tradition. A man in this section rejects metal armor in favor of a helmet studded with boar's tusks. A hero in this section smiles while (*) interrogating a captured enemy spy before stealing the prized horses of the Thracian king Rhesus. Odysseus and Diomedes conduct a night raid in, for 10 points, what book of the *Iliad*? ANSWER: Doloneia [or Book X of the *Iliad*; prompt on *Iliad* before read] <Belief>

16. A book titled for this concept attacks meritocracy by considering a construction worker who takes a week to accomplish what his co-worker can do in a day. A 2009 book titled for this concept and subtitled What's the Right Thing to Do? accompanies a (*) Harvard course named for this concept that was the first such course placed online for free. "Liberalism and the Limits of" this concept are the subject of a book by Michael Sandel. For 10 points, Sandel critiqued a John Rawls book titled "A Theory of" what concept? ANSWER: justice

17. Saint Augustine's *City of God* relates how the Carthaginians built a version of this object for the Roman general Marcus Atilius Regulus. This object is compared to the hallucination that traps women though artificial, inert standards of sex appeal in (*) Naomi Klein's *The Beauty Myth.* A musical group named for this object composed the songs "Wasted Years" and "Fear of the Dark;" that British heavy metal band takes its name from, for 10 points, what medieval torture device consisting of a nail-studded cabinet? ANSWER: <u>iron maiden</u> <GK / Other>

18. A variant of this game is equivalent to the chess puzzle of "Corner the Lady." The Sprague-Grundy theorem holds that every impartial game is equivalent to a generalization of this game. Variants of this game comprise the (*) counting game "21." This game can have a guaranteed winner and loser, as shown by computing the digital sum of

the heap sizes in binary. A scene in *Last Year at Marienbad* features this game with matches. Players remove objects in, for 10 points, what game with a three-letter name? ANSWER: <u>nim</u> [accept <u>Wythoff's nim</u> or <u>Wythoff's game</u> during the first sentence] <My Choice>

19. A 2017 "transparency charter" outlined the priorities of the holder of this position without giving it an official budget. Pardon Clothing controversially designed a shopping bag featuring a nude photo of the holder of this position. The album *As If Nothing Had Happened* was released by an (*) Italian model during her tenure in this position. The current holder of this position is a former teacher who is over twenty years older than her husband. For 10 points, name this position held by Carla Bruni and Brigitte Macron.

ANSWER: **French First Lady** [or **wife** of the **president of France**; accept equivalents such as the **French president's spouse**]

<Modern World / Geo>

20. In a technological error, a man "reads" his wife a phonograph message left by this character asserting the righteousness of their cause. This character recovers a piece of golden jewelry stolen by a maid that he had placed over the mouth of a fresh corpse. This character lays out a circle of (*) sacramental bread to keep a group of three sister-brides away from the ailing Mina Harker. John Seward recruits this professor to assess a patient who shows signs of vampirism. For 10 points, name this foe of Dracula.

ANSWER: **<u>Abraham</u>** <u>van Helsing</u> [accept either underlined portion; prompt on the <u>Professor</u> before "professor"]

<Any Lit>

Bonuses

1. For 10 points each, answer the following about dubious accounts of sexual excess in European history:

[10] According to Pliny the Elder, this third wife of the emperor Claudius challenged a prostitute to an all-night sex contest and won with twenty five partners; Juvenal claimed that she worked at a brothel under the name "She-Wolf." However, both accounts were probably slanderous. ANSWER: Valeria <u>Messalina</u> [mess-uh-LEE-nuh]

[10] In this event, the Borgias invited fifty prostitutes to the Vatican, had them pick up the title objects from the floor, and then awarded prizes to the men who could sleep with the most of them. Johann Burchard's account of this event has understandably not sat well with the Papacy. ANSWER: Banquet of <u>Chestnut</u>s [or Feast of <u>Chestnut</u>s; accept Ballet of <u>Chestnut</u>s]
[10] Livy states that the rites dedicated to this Roman god of wine and revelry were so debaucherous, murderous, and vice-ridden that the Senate suppressed them in 186 BC. ANSWER: <u>Bacchus</u> [accept <u>Bacchanalia</u>; do not accept or prompt on Dionysus]

2. This term describes decks in *Magic: The Gathering* such as Delver that use cheap threats and cantrips to leverage a low land count. For 10 points each:

[10] An ancient Greek term meaning "dry" is the root of what word that provided the new name used by the Haloid Company in the 1950s?

ANSWER: xerox

[10] Xerox's breakthrough, the 914, was this type of device. It made use of Chester Carlson's patent for xerography, which combined photography with electrostatic printing.

ANSWER: photocopier

[10] Though it is today headquartered in Connecticut, Xerox was founded in this city. In a bizarre coincidence, this city shares its name with a *Magic* draft format in which packs are opened one at a time and cards are selected face-up from the table.

ANSWER: Rochester

<GK / Other>

3. This thinker's first book, *Saints, Scholars and Schizophrenics*, examined mental illness and the decline of agrarian society in rural Ireland. For 10 points each:

[10] Name this medical anthropologist and colleague of Margaret Lock whose book *Death without Weeping* is about mothers who believe that their starving children are fated to die.

ANSWER: Nancy Scheper-Hughes

[10] Scheper-Hughes's *Death without Weeping* draws from her fieldwork in the slums of this country. This is the southern of the two countries where the Yanomamo [YAH-noh-MAH-moh] people live.

ANSWER: Brazil

[10] Scheper-Hughes founded a watch group to combat the illegal trade in these things. It is debated whether the highly regulated Erin and Harris model or some sort of free market model could ethically decrease the months or years-long wait times for these things in the U.S.

ANSWER: **organ**s [accept more specific answers such as **heart**s, **liver**s, or **kidney**s; prompt on <u>transplants</u>]

<Thought>

4. Feminist scholars have attacked this set of twelve adhyayas or lessons for placing women inside the domestic sphere and outside of the four castes, though it does prescribe women with property rights under certain circumstances. For 10 points each:

[10] Name this book attributed to Svayambhuva [SVY-ahm-BOO-vuh] that comprises a foundational text of the Dharma-shastra.

ANSWER: <u>Manusmriti</u> [MAH-noo-SHMRI-tee] [or <u>Laws of Manu</u>; prompt on <u>Manava</u> Dharma-shastra]

[10] The *Manusmriti* lays out the Varna caste system headed by this class that consists of priests, scholars, teachers, and doctors.

ANSWER: Brahmin

[10] The verses of the *Manusmriti* in which "the supreme being Hiranyagarbha [he-RAHN-yah GAR-bah], self-born... appeared" are part of its description of this event. In the Bible, this event occurs over the course of seven days in the Book of Genesis.

ANSWER: creation of the world

<Belief>

5. For 10 points each, answer the following about food and drink in Agatha Christie's books: [10] In *The Thirteen Problems*, this resident of St. Mary Mead deduces that the phrase "hundreds and thousands" refers to poisoned sprinkles placed onto a trifle; elsewhere, she concludes that a man's dying words about piles of fish allude to the antidote pilocarpine. ANSWER: Miss **Jane Marple** [accept either underlined portion]

[10] In a novel titled "Sparkling" this poison, Rosemary Barton and her husband George die when this poison is placed in their champagne glasses. Unlike Christie would have readers believe, this poison does not always leave the smell of bitter almonds.

ANSWER: cyanide

[10] In *The Big Four*, Poirot proves the innocence of a convict by noting the presence of this foodstuff in a larder in Hoppaton. A housewife bludgeons her husband to death with this foodstuff in a Roald Dahl story adapted into an acclaimed episode of *Alfred Hitchcock Presents*. ANSWER: leg of <u>lamb</u> [prompt on <u>meat</u> or <u>roast</u>; the Dahl story is "Lamb to the Slaughter"] <Any Lit>

6. 5 for one, 10 for two, 20 for three, or 30 for all four, how many:

[a] Rings of power were made "for mortal men doomed to die" in *The Lord of the Rings*, thus creating the Nazgul [NAAZ-gool]?

ANSWER: nine

[b] Rings form the regions of a city in Ernest Burgess's Concentric Zone Model? ANSWER: <u>five</u>

[c] Rings, or more specifically sets of rings, does the planet Jupiter have? ANSWER: **four**

[d] Rings appear in the title of a book on swordsmanship and martial arts by the ronin Miyamoto Musashi?

ANSWER: <u>five</u> [or <u>go</u>; accept *The Book of <u>Five</u> Rings* or <u>Go</u> *Rin no Sho*] <GK / Other>

7. For 10 points each, answer the following about Mesoamerican pyramids:

[10] Shrines to Tlaloc and Huitzilopochtli [WEET-see-luh-POWCH-tuh-lee] were built on top of the Templo Mayor, the largest pyramid in this Aztec capital.

ANSWER: Tenochtitlan [tuh-NOWCH-teet-LAHN]

[10] The talud-tablero, or slope-and-panel, style of pyramid construction was popularized in this city. This city's Avenue of the Dead once bordered many pyramids.

ANSWER: Teotihuacan [TAY-uh-tee-waa-KAHN]

[10] Design elements from Teotihuacan and El Tajin characterize this pyramid found in a namesake Mexican city in Puebla. Though its slopes are gradual, this pyramid's extremely long bases mean that it is the most voluminous pyramid in the world.

ANSWER: Great Pyramid of <u>Cholula</u> [chow-LOO-luh] [or <u>Tlachihualtepetl</u>; accept Great Pyramid of <u>Tepanapa</u>]

<My Choice>

8. A woman in this film writes the words "perverted, twisted, crippled" in lipstick on a bathroom mirror before killing herself. For 10 points each:

[10] What 1961 film stars Paul Newman and Jackie Gleason as the pool players Fast Eddie Felson and Minnesota Fats?

ANSWER: The Hustler

[10] In this 2020 Netflix miniseries named for a chess opening, Anya Taylor-Joy portrays the prodigy Beth Harmon, who must overcome her dependencies on drugs and alcohol to beat Vasily Borgov in a climactic match.

ANSWER: The Queen's Gambit

[10] This author inspired those adaptations with his books *The Hustler* and *The Queen's Gambit*. He also wrote sci-fi novels such as *The Man Who Fell to Earth* and *Mockingbird*. ANSWER: Walter **Tevis**

<Pop Culture>

9. For 10 points each, answer the following about American parades:

[10] This parade, which is usually held along Pasadena's Colorado Boulevard on New Year's Day, is followed by a namesake college football bowl game in the afternoon.

ANSWER: **Rose** Parade [or Tournament of **Rose**s Parade]

[10] Participants compete in "wench brigades" and "fancy brigades" categories in the annual historic Mummers Parade hosted by this city, which has been held on thoroughfares such as Broad Street and Market Street.

ANSWER: Philadelphia

[10] Tony Goldwyn hosted the Parade Across America as part of this event; the parade concluded with a performance of "You Get What You Give" by the New Radicals. ANSWER: <u>inauguration</u> of Joe <u>Biden</u>

<Modern World / Geo>

10. For 10 points each, answer the following about never-delivered disaster speeches in American history:

[10] This Supreme Allied Commander and future president drafted an announcement in which he took sole responsibility for the failure of the D-Day landings.

ANSWER: Dwight David **<u>Eisenhower</u>**

[10] The sitting president drafted a speech stating that "This nation is opposed to war- but it is true to its word" about hostilities during this event. The ExComm advised the president during this event, as related in the memoir *Thirteen Days*.

ANSWER: Cuban Missile Crisis

[10] Description acceptable. William Safire included a reference to Rupert Brooke's poem "The Soldier" at the end of a speech drafted in this eventuality; the speech is eerily written in the present tense, as its main subjects would still have been alive as it was delivered.

ANSWER: Neil Armstrong and Buzz Aldrin being <u>stranded</u> on the <u>Moon</u> [accept the <u>failure</u> of the <u>Apollo XI</u> mission or reasonable equivalents of either answer]

<American History>

11. 30-20-10, name the novel from lines:

[30] "While you live your life, you are in some way an Organic whole with all life. But once you start the mental life you pluck the apple," which is followed by a conversation about Bolshevism.[20] "We've got to live, no matter how many skies have fallen" and "Ours is essentially a tragic age, so we refuse to take it tragically," both from its first paragraph.

[10] "We fucked a flame into being," one of its many lines that led this D.H. Lawrence novel to become the subject of a landmark 1960 obscenity trial in the U.K.

ANSWER: Lady Chatterley's Lover

<Anglo Lit>

12. For 10 points each, answer the following about the overlap between painting and poetry: [10] W.H. Auden said "About suffering they were never wrong, / The old Masters" in his poem "Musee des Beaux Arts," which was inspired by this artist's *Landscape with the Fall of Icarus*. ANSWER: Pieter **Breughel** the Elder

[10] A William Carlos Williams poem about a speeding fire truck inspired a painting by this Precisionist, who also created many landscapes of his native Lancaster, Pennsylvania.
ANSWER: Charles **Demuth** [the first painting mentioned is *I Saw the Figure 5 in Gold*]
[10] J.M.W. Turner paired many of his paintings with excerpts from this poem, which he never published or finished. *The Slave Ship* was exhibited with a section of this poem that asks its title concept "Where is thy market now?"

ANSWER: "The Fallacies of Hope"

<Visual Arts>

13. In this novel, an elderly spinster realizes that she rejected a marriage proposal when she refused to enter a convent with the man whom she loved years ago. For 10 points each:

[10] A long-dead dog whose skin has been turned into a rug is thrown from a window by a woman at the end of what historical novel?

ANSWER: *The Leopard* [or *II Gattopardo*]

[10] *The Leopard* deals with relations between the aristocracy and the nouveau riche in this region. The novel *The House by the Medlar-Tree* is about a peasant family in this region. ANSWER: **Sicily** [prompt on <u>Italy</u>]

[10] In *The Leopard*, Don Fabrizio Corbera goes by this regal name. A book of this name contains maxims such as "Never attempt to win by force what can be won by deception." ANSWER: **prince** [or **principe**; accept *The Prince*]

<Euro / World Lit>

14. With Ottoman backing, this one-time brigand from Tepelena established a semi-autonomous state in Ioannina [yuh-NEE-nah] that ruled over the Ottoman Empire's European holdings. For 10 points each:

[10] Name this leader who ran afoul of Mahmud II in the 1820s. Lord Byron's visit to this man's court influenced Orientalist passages in *Childe Harold's Pilgrimage* and *Don Juan*.

ANSWER: Ali Pasha of Ioannina [or Ali Pasha Tepelena]

[10] Over twenty people partly named Ali Pasha held the title of Grand Vizier in the Ottoman Empire; the Grand Vizier was second in power to holders of this title such as Suleyman I. ANSWER: **Sultan**

[10] Muezzinzade Ali Pasha died while leading the Ottoman forces at this battle, in which they lost to a Holy League force largely financed by Philip II of Spain.

ANSWER: Battle of Lepanto

<World History>

15. Jane Smiley's "Say It Ain't So" claims that "There is more to be learned about the American character *from*" this novel's canonization than "*through* its canonization." For 10 points each: [10] "Say It Ain't So" posits that Mark Twain gave the escaped slave Jim no voice and no autonomy in what novel?

ANSWER: The Adventures of Huckleberry Finn [accept Huck Finn]

[10] Smiley claims that this critic's analysis of Jim and Huck's homoerotic relationship in his essay "Come Back to the Raft Ag'in, Huck Honey!" focused too little on the practical matters of Huck's and Mark Twain's implicit racism.

ANSWER: Leslie Fiedler

[10] This author of the 1996 introduction to the Oxford Edition of *Huck Finn* claimed that the book puts the reader through hell by simulating "the parasitical nature of white freedom," but nevertheless argued against its censorship and for its status as an American classic.

ANSWER: Toni Morrison

<My Choice>

16. For 10 points each, answer the following about people who discovered polymers:[10] The scientists who discovered the first polymers worked in a laboratory funded by this company. This company, which reorganized after its 2017 merger with Dow Chemical, is named for the French-American industrialist who founded it to produce gunpowder in the early 1800s.

ANSWER: **DuPont** [accept E.I. **du Pont** de Nemours and Company]

[10] This man led the research teams that discovered neoprene and nylon. This namesake of an equation in step-growth polymerization made those discoveries while battling with the severe depression that caused him to commit suicide at age forty one.

ANSWER: Wallace Carothers

[10] This woman of Polish heritage is credited with the discovery of kevlar. She was one of the first women to receive numerous scientific accolades, including the National Medal of Technology and Innovation.

ANSWER: Stephanie Kwolek

<Bio / Chem>

17. For 10 points each, answer the following about novels that can be read in multiple orders: [10] This Argentinian author provided a non-linear path for readers to approach the chapters of his novel *Hopscotch*.

ANSWER: Julio Cortazar

[10] This author's novel *How to Be Both* was published in two different orders; some copies start with George's contemporary story, and others with Francesco's Renaissance-era story. The last part of this writer's "Seasonal Quartet," *Summer*, debuted in 2020.

ANSWER: Ali Smith

[10] According to Wikipedia, there are fifteen and half septimillion orders in which one can read this experimental "book in a box" by B.S. Johnson about a journalist who reflects on his life while covering a soccer match in Nottingham.

ANSWER: The Unfortunates

<Any Lit>

18. The Rare Earth Hypothesis explains this problem by claiming that conditions on the Earth are far more galactically unlikely than we believe them to be. For 10 points each:[10] What problem named for an Italian-American physicist asks why humanity has not made

contact with extraterrestrials?

ANSWER: Fermi's Paradox

[10] This hypothesis reasons that aliens are aware of human existence but choose not to make contact. Thus, humans are akin to the residents of the namesake structure of this hypothesis. ANSWER: **<u>zoo</u>** hypothesis

[10] The economist Robin Hanson gave this name to the unknown event that has prevented alien societies from long distance space travel. Ironically, if humanity's evolution to this point has been commonplace, then it is more likely that this event lies in our future rather than our past.

ANSWER: the great filter

<Physics / Other Sci>

19. Ada Louise Huxtable compared a New York City art gallery designed by this architect to a "Venetian palazzo on lollipops." For 10 points each:

[10] Name this designer of 2 Columbus Circle. This Modernist architect's other works include the U.S. Embassy in Delhi and the Kennedy Center in Washington D.C.

ANSWER: Edward Durrell Stone

[10] With interior designer Donald Deskey, Stone supervised the design of this performing arts venue in New York City. The most recent Tony Awards- in 2019- were held in this venue, which hosts a dance troupe known for their lines and high kicks.

ANSWER: **Radio City Music Hall** [prompt on <u>Rockefeller Center</u>; the troupe is the Rockettes] [10] Stone was one of the original architects of this New York City museum known for its collection of 20th-Century art. Yoshio Taniguchi's redesign of this museum opened in 2004.

ANSWER: Museum of Modern Art [or MoMA]

<Auditory / Other Arts>

20. The winning commander of this battle crossed the T twice, making use of long-range guns coupled with wireless telegraphy. For 10 points each:

[10] Name this battle whose losing side suffered from exhaustion having made an 18,000 mile, seven month voyage prior to their defeat.

ANSWER: Battle of Tsushima Strait

[10] Xerxes I supposedly said "My men have become women, and my women men" upon seeing Artemisia's actions in this naval battle that was also fought in a namesake strait. Themistocles led the victorious Greek navy at this battle.

ANSWER: Battle of **Salamis**

[10] A Philippine strait gives its name to this second phase of the Battle of Leyte Gulf. This battle included the second and last battleship on battleship action of the Pacific Theater.

ANSWER: Battle of Surigao Strait

<Any History>