COLLABORATIVE ACADEMIC SPRING TOURNAMENT 2019

Edited by Alston Boyd, Eric Mukherjee, Jacob O'Rourke, Jakob Myers, Kai Smith, and Olivia Lamberti. Written by Akshay Govindan, Arjun Nageswaran, Deepak Moparthi, Eric Mukherjee, Geoffrey Chen, Govind Prabhakar, Jacob Augelli, Jakob Myers, Moses Schindler, Noah Sheidlower, Olivia Lamberti, Raj Paul, Vishwa Shanmugam, and William Golden.

PACKET 8 TOSSUPS

1. In this novel, four men prepare chocolate for a character who gives another character a coin after killing his child by running him over with a carriage. That character, Marquis St. Evremonde ("ehv-ray-MAHND"), is killed by Gaspard. In this novel, Jerry Cruncher works as a runner for Tellson's Bank, and Dr. Manette spends his time shoemaking after an unjust 18-year imprisonment in the (*) Bastille. Madame Defarge ("duh-FARZH") is killed in this novel in a scuffle with Ms. Pross. A letter in this novel condemns Charles Darnay because of his father's crimes, prompting Sydney Carton to take his place at the guillotine. For 10 points, name this novel set in both London and Paris by Charles Dickens.

ANSWER: A **Tale of Two Cities** <NS>

2. Scandinavian analogues to this figure include the gnomes *nisse* and *tomte*. In Dutch tradition, this figure is accompanied by a man wearing lipstick and blackface known as Zwarte Piet. The real-life inspiration for this figure slapped Arius while serving as the bishop of Myra in modern-day (*) Turkey. German-speaking regions have a horned counterpart to this figure called the krampus. NORAD tracks the location of this figure, who travels with animals like Dasher, Donner, and Prancer. For 10 points, name this figure said to deliver presents to children for Christmas.

ANSWER: <u>Santa</u> Claus [or St. <u>Nicholas</u>; or <u>Sinterklaas</u>; or Kris <u>Kringle</u>; or <u>Father Christmas</u>; prompt on <u>Claus</u>] <WG>

- 3. This leader died after listening to a Voice of America broadcast saying that his government planned on turning him over to the United Nations. This leader divided his nation's population into three categories, and civilians known as "New People" were targeted by his government. This leader took the title of (*) "Brother Number One." This leader turned a former high school into the S-21 prison. Choeung Ek ("sho-young EK") was one of the "killing fields" his regime operated, and he was overthrown by forces from neighboring Vietnam. For 10 points, name this dictator of Cambodia who led the Khmer Rouge ("kuh-MAIR ROOZH").

 ANSWER: Pol Pot [or Saloth Sar] <GP>
- 4. A compound that has osmium in this oxidation state is commonly used to dihydroxylate ("DI-hi-DROX-ill-ate") alkenes ("AL-keens"). The element of this atomic number normally exists in a triplet state, explaining its paramagnetism. The Frasch process is used to produce an allotrope ("AL-oh-trope") of sulfur which exists in a (*) "puckered ring" of this many atoms. There are this many hydrogens in propane. With the exception of helium, noble gases typically have this many valence electrons. For 10 points, identify the number of carbons in octane.

ANSWER: **eight** [or +8] <GC>

5. This song's music video ends with shots of lead singer David Paich posing on a giant stack of books and a book in a library catching fire. This song is the highest charting hit for the band behind the songs "Hold the Line" and "Rosanna." Due to an online campaign, the band Weezer covered this song in May 2018. This song's lyrics describe how an "old man" "turned to me as if to say/'Hurry, (*) boy, it's waiting there for you."" The refrain notes "it's gonna take a lot to drag me away from you/There's nothing that a hundred men or more could ever do." For 10 points, name this 1982 song by Toto, whose lyrics say "I bless the rains down" in the title continent.

ANSWER: "Africa" <WG>

6. This author created a character who marries the Indian princess Aouda ("ay-OO-dah") after rescuing her from being burned alive. Many of this author's novels were adapted into early movies by George Méliès ("mel-ee-AY"). In a novel by this author, a bet made by the Reform Club causes the protagonist to travel with the valet (*) Passepartout ("pass-AY-par-TOO"). This author wrote about Captain Nemo piloting the submarine Nautilus and Phileas Fogg's attempt to circumnavigate the globe. For 10 points, name this French science fiction author of Around the World in 80 Days and 20,000 Leagues Under the Sea.

ANSWER: Jules Verne <WG>

7. A series of 69 works in this medium depicts a woman working as a housewife, librarian, and actress to represent feminine clichés. Another artist who worked in this medium collaborated with Erskine Caldwell on the book *You Have Seen Their Faces*. This medium was used to depict identical twin girls in Roselle, New Jersey, and a boy in (*) Central Park holding a hand grenade. Margaret Bourke-White worked in this medium, as did a woman who created many works featuring the Manzanar Relocation Center and a woman clutching her two children during the Great Depression. For 10 points, name this medium that Dorothea Lange used to capture *Migrant Mother* with a camera.

ANSWER: photography [accept obvious equivalents] (The first clue is Cindy Sherman's *Untitled Film Stills*) <NS>

8. An "index" for this property is commonly calculated by either subtracting the magnitude V from B or B from a similar quantity U; those three quantities are determined using passband filters. Temperature, spectral type, or this property is plotted on the x-axis of a Hertzsprung-Russell diagram. This property is used to classify stars in the UBV (*) photometric system. Spectra qualitatively show a wide range of this property. This property is the perception of a light wave's frequency, and thus wavelength. For ten points, name this property, for which the star Rigel is blue-white.

ANSWER: color <AG>

9. The Enerparc and Rodina firms built a solar farm on the former site of this event in 2018. This event led the British Food Standards Agency to implement a mandatory sheep testing program that persisted until 2012. The town of Slavutych ("sla-VOO-titch") was built to accommodate people displaced by this event, which forced a nearby capital to switch its water supply to the Desna River after the (*) Dnieper ("nee-pur") was found to be contaminated. A concrete "sarcophagus" covers the present site of this disaster, which occurred after a power surge generated a steam explosion that destroyed a Soviet nuclear facility. For 10 points, name this 1986 nuclear meltdown in Northern Ukraine.

ANSWER: Chernobyl disaster <JA>

10. The Brahui language is primarily spoken in this country, although other languages in the same family are mainly used in this country's eastern neighbor. This country's Balti people are largely found in its northernmost territory, which is also named for Gilgit. This nation's city of Quetta is the capital of its Balochistan province, while its northwest contains the (*) Khyber ("KYE-ber") Pass. This nation's main languages include Balochi and Sindhi, the latter of which is largely spoken in Karachi. For 10 points, name this South Asian nation which is home to Lahore and Islamabad.

ANSWER: **Pakistan** [or Islamic Republic of **Pakistan**] <AG>

11. A ballet from this country uses a series of fifteen timpani strokes to signal the death of a character. That ballet from this country includes the "Dance of the Knights" and features a famous balcony scene. The "Rose (+) Adagio" is from another ballet from this country in which the title character pricks her finger on a spindle gifted to her by Carabosse which releases a (*) curse of sleep. This country is home to the composer of Romeo and Juliet a composer who wrote a ballet in which Clara awakens with a crown in her hand following the "Dance of the Sugar Plum Fairy." For 10 points, name this country in which Sleeping Beauty and The Nutcracker were written by Peter Tchaikovsky ("chai-KOFF-skee").

ANSWER: <u>Russia</u> [or <u>Rossija</u>; or <u>Russian Federation</u>; or <u>Rossijskaja</u> Federacija; accept <u>Soviet Union</u> or <u>USSR</u> or Union of <u>Soviet Socialist Republics</u> until (+)] <NS>

12. In a story by this author, the elderly Mr. Behrman dies from a pneumonia epidemic in Greenwich Village while painting his "great masterpiece." In another of his stories, a character visits the shop of Madame Sofronie after sobbing about only having one dollar and eighty-seven cents on the day before Christmas. In that story by this author of "The Last Leaf," a watch (*) chain and a set of combs are rendered useless after Della and Jim sacrifice their most prized possessions to buy each other presents. For 10 points, name this author of "The Gift of the Magi," whose short stories are characterized by twist endings.

ANSWER: O. Henry [or William Sydney Porter] <RP>

13. One type of this phenomenon is characterized by the product of a parameter F and the maximal angle squared being much less than four. The resolution of an ideal imaging system is limited by this phenomenon. X-ray crystallography relies on this phenomenon to infer the (*) structures of molecules. Bragg's law can be used to calculate the angle of a wave after experiencing this phenomenon, which may result from the presence of namesake "gratings." Fresnel ("freh-NEL") and Fraunhofer ("FROUN-hof-er") name two forms of, for 10 points, what phenomenon in which light encounters an obstacle?

ANSWER: diffraction <AG>

14. According to this country's mythology, when the Four Mountains gave a man the task of stopping a flood, he stole swelling earth from the gods in an attempt to do so. This country's creation myth features a hairy, horned giant who emerged from a cosmic egg after 18 thousand years. A mythological archer from this country shot down 9 of the 10 (*) suns, and was rewarded with a pill of immortality. That archer's wife ate the pill and became the goddess of the moon, with only a rabbit as her companion. For 10 points, the Jade Emperor oversaw a race between the animals to create the zodiac in the mythology of what country?

ANSWER: China <GC>

- 15. William Elliott first imported a strain of this crop named for the Sea Islands. Mass unemployment and starvation occurred in Lancashire, England because a naval blockade prevented shipments of this crop. Samuel Slater memorized the designs for the first American factory to process this crop. Production of this good quintupled in Egypt during the American (*) Civil War. Europe's dependence on this crop gave it the nickname "King." This crop's production greatly increased due to an invention by Eli Whitney. For 10 points, name this cash crop integral to the South's economy that slaves picked with a type of gin.

 ANSWER: cotton [or Sea Island cotton] <WG>
- 16. A poet from this nation discussed the "pyramidal death-born shadow" in a poem concluding "The world illuminated and I awake" titled "First Dream." A poet from this country wrote *The Traps of Faith* about a fellow poet and analyzed "the turning course of the river" in a 584-line poem that begins "a (*) willow of crystal, a poplar of water." A poet from this country discussed indigenous culture his collection *The Labyrinth of Solitude*, which includes the essay "The Sons of La Malinche" ("mah-LEEN-chay"). For 10 points, identify this home country of Juana Ines de la Cruz and Octavio Paz, whose poem "Sunstone" was inspired by the Aztec empire. ANSWER: Mexico <NS>
- 17. In a book named for one of these locations, "traditionals" are contrasted with "organic" intellectuals who speak for the interests of a specific people group. That work, which coined the term "cultural hegemony" ("heh-JEM-oh-nee"), is a series of essays entitled this place's "Notebooks" by Antonio Gramsci ("GRAM-shee"). At a model of one of these locations, John Wayne punished a man named 416 for refusing to eat sausages. A (*) semicircular building of this type that would allow a person to observe all others was criticized in Michel Foucault's ("foo-KOH's") *Discipline and Punish*. Jeremy Bentham's Panopticon is an example of, for 10 points, what type of institution, the subject of a famous Stanford experiment?

 ANSWER: prisons [or jails; accept Stanford Prison Experiment; accept Prison Notebooks] <NS>
- 18. In this book, Zeresh's husband constructs a 50-cubit high pole on which he later impales himself. Bigthan and Teresh carried out an assassination attempt on a character in this book, whose title character was originally named Hadassah ("huh-DAH-suh"). That character, who replaces Vashti in Ahasuerus's ("uh-hahs-yoo-EH-rus's") court, was raised by (*) Mordecai. In this book, Haman ("HAY-mun") draws lots to select the 13th of Adar as the day that all Jews will be massacred. For 10 points, identify this Old Testament book whose female title character saves the Jews of Persia from execution, which is commonly read on Purim. ANSWER: Book of Esther [accept Megillat Esther, prompt on Megillah] <NS>
- 19. During this conflict, the bishop Anselmo Polanco and Colonel d'Harcourt were executed after the city of Teruel ("TAIR-oo-ell") was captured. During this conflict, the general Emilio Mola coined the term "fifth column." The winning side of this war included many veterans of the Rif War, and the losing side's government was led by Manuel (*) Azaña. The Abraham Lincoln Brigade was one of the International Brigades that aided one side in this conflict. The Condor Legion aided one side in this war, which ended with the fall of Madrid. For 10 points, name this war from 1936-1939, where the Republicans were defeated by the Nationalists of Francisco Franco.

ANSWER: Spanish Civil War [accept Guerra Civil Española] <GP>

20. Cholangiocytes ("cole-AN-jee-oh-sites") line certain ducts in this organ, which make up this organ's triads. In the Cori cycle, lactate is transported to this organ. Ascites ("uh-SITE-eez") results from backup of blood flow into this organ. Hemoglobin is converted to stercobilin and bilirubin in this organ. This organ's namesake (*) portal vein joins the inferior vena cava ("vee-nuh CAY-va"). It's not the kidney, but urea ("yoo-REE-uh") is produced from ammonia primarily in this organ. One product of this organ which emulsifies lipids is stored in the neighboring gallbladder. For ten points, name this organ which produces bile and detoxifies substances.

ANSWER: <u>liver</u> <AG>

PACKET 8 BONUSES

- 1. Answer the following about the music of the biggest hitmaker of the 12th century, the abbess, scholar, and saint Hildegard von Bingen ("HIL-duh-gard von BING-uhn"), for 10 points each:
- [10] Gregorian chant, the style of music Hildegard wrote for the Catholic church, is this type of music consisting of one melodic line without accompaniment.

ANSWER: **monophonic** [or **monophony**]

[10] Hildegard wrote many antiphons, which are verses sung before these Biblical texts. 150 of these texts were attributed to the prophet David.

ANSWER: psalms

[10] Hildegard's music was unusually melodic for the time because many of the parts for solo voices utilized this technique of singing multiple notes in one syllable.

ANSWER: melisma [or melismata] <WG>

- 2. This phenomenon causes hypotonic cells to become turgid and possibly burst. For 10 points each:
- [10] Name this phenomenon, the net movement of water through a semipermeable membrane to a region of higher solute concentration. A "reverse" form of it is often used to purify water.

ANSWER: osmosis [accept reverse osmosis]

[10] Osmotic pressure contributes negatively to this quantity symbolized psi ("sy"), which also accounts for the effects of gravity, humidity, pressure and matrix effects. Water flows from a high to low value of it.

ANSWER: water **potential**

[10] Although plant cells are usually hypotonic with respect to their environment, they don't burst as a result of this rigid structure made up of mostly cellulose and pectin surrounding the cell membrane.

ANSWER: cell wall <GC>

- 3. This religion's followers gather at meetings called *sangats*. For 10 points each:
- [10] Name this religion founded by Nanak Dev which was led by ten spiritual teachers known as *gurus*. This religion has a Golden Temple known as the Harmandir Sahib ("SAH-ib") in the city of Amritsar.

ANSWER: <u>Sikh</u>ism ("SEEK-ism")

[10] The Japji Sahib and Mul Mantar are components of this holy book of the Sikh faith compiled by Guru Arjan Dev. Following the death of the Guru Gobind Singh, this book is treated as the eleventh guru.

ANSWER: Guru Granth Sahib [accept Adi Granth]

[10] Guru Gobind Singh initiated the Panj Pyare, or "five beloved ones," to be the first members of this warrior order. Its members are initiated by the Amrit Sanchar and live by the "Five Ks."

ANSWER: Khalsa <GP>

- 4. In "The Mother," the speaker claims that these actions "will not let you forget." For 10 points each:
- [10] Name this action alluded to by Jig's lover "the man" in "Hills Like White Elephants." Jig asks him to "please please please please please please please stop talking about this action.

ANSWER: abortions [prompt on an operation]

[10] "The Mother" is a poem by this Chicagoan. This poet described how pool players at the Golden Shovel "die soon" in "We Real Cool."

ANSWER: Gwendolyn **Brooks** [or Gwendolyn Elizabeth **Brooks**]

[10] This short story writer behind "Hills Like White Elephants" may be better known for his novels *The Old Man and the Sea* and *A Farewell to Arms*.

ANSWER: Ernest <u>Hemingway</u> [or Ernest Miller <u>Hemingway</u>]

- 5. The creator of this concept associated it, in an unclear way, with the *noumenon* ("NEW-meh-nawn"). For 10 points each:
- [10] Identify this concept which refers to an object as it really is, as opposed to that object as it given to us in perception.

ANSWER: the **thing-in-itself** [accept but do NOT reveal the **ding an sich**]

[10] The concept of the thing-in-itself was developed by this German philosopher who defined the categorical imperative and wrote critiques of "Pure Reason," "Practical Reason," and "Judgement."

ANSWER: Immanuel Kant

[10] This pessimist philosopher stated that will was the thing-in-itself in his magnum opus, *The World as Will and Representation*.

ANSWER: Arthur **Schopenhauer** ("SHO-pen-how-er") <GC>

- 6. Answer the following about George Castriot, also known as Skanderbeg, for 10 points each:
- [10] Skanderbeg is seen as the national hero in this eastern European nation, for whom he recaptured the city of Kruje ("KROO-he"). A more recent leader of this nation, Enver Hoxha ("HAW-jah"), portrayed himself as an heir to Skanderbeg.

ANSWER: <u>Albania</u> [or <u>Arberi</u>; or People's Republic of <u>Albania</u>; or People's Socialist Republic of <u>Albania</u>; or Republic of <u>Albania</u>; or Republic of <u>Albania</u>; or <u>Shqiperise</u>; or <u>Shqiperia</u>]

[10] Skanderbeg served as a *bey*, or local ruler, for this empire, having been indoctrinated through its Devshirme ("DEV-shir-meh") system. This empire dissolved its Janissary ("JAN-uh-sair-eez") Corps in the Auspicious Incident.

ANSWER: Ottoman Empire [or Osmanli İmparatorlugu; or Osmanli Devleti]

[10] After leaving the Ottoman Empire, Skanderbeg briefly served this "Most Serene Republic," which controlled the northern portion of Albania. During that time, this Republic was ruled by the Doge Francesco Foscari.

ANSWER: Venice [or Republic of Venice; or Most Serene Republic of Venice; or Venezia] <AN>

- 7. Kepler's first and third law hold because the gravitational force falls off with this function of the distance. For 10 points each:
- [10] Name this mathematical relationship that the electromagnetic force between charges also has with distance, according to Coulomb's ("KOO-lom's") law.

ANSWER: <u>inverse square</u> [or <u>one over radius square</u>d, or <u>one over r squared</u>, or <u>one over distance square</u>d, or <u>distance to the negative 2</u> or <u>radius to the negative 2</u> or <u>r to the negative 2</u>]

[10] The shell theorem provides a simple expression for the gravitational force for a mass distribution with this shape. Gaussian ("GAUS-ee-in") surfaces of this shape are often used to calculate the field due to a point charge.

ANSWER: **sphere** [or word forms]

[10] The force of gravity at the center of a spherically symmetric body is this value, which is also the electromagnetic force between two neutral point particles.

ANSWER: zero (newtons) <GC>

- 8. After soccer, this sport is the second-most viewed in the world. For 10 points each:
- [10] Name this sport originating in England which has positions like batsmen, bowlers, and fielders. In this sport, batsmen try to hit balls through wickets.

ANSWER: cricket

[10] Like in American football, there are this many players on each cricket team.

ANSWER: 11 [or eleven]

[10] This term describes six balls thrown by the bowler at the batsmen. The 2019 Cricket World Cup will have 50 of these per match.

ANSWER: <u>over</u> <DM>

- 9. A boy who likes to cut out images from shopping catalogues is devastated when he cannot travel to this object because his father predicts that the wind will be too high. For 10 points each:
- [10] Identify this object located in the Hebrides ("HEB-ri-deez"). After seeing this structure, a female painter who is frequently insulted finishes a painting with a bold stroke.

ANSWER: the **lighthouse** [accept *To the Lighthouse*]

[10] To the Lighthouse was written by this member of the Bloomsbury Group, who espoused feminist values in her essay "A Room of One's Own."

ANSWER: Virginia **Woolf** [or Adeline Virginia **Stephen**]

[10] This character from another Woolf novel praises Septimus Smith for committing suicide during a party. This character titles that novel, where she recalls life with Peter Walsh and Sally Seton after buying flowers.

ANSWER: Mrs. Clarissa Dalloway [accept either underlined portion, accept Mrs. Dalloway] <NS>

- 10. This class of reactions comes in SN1 and SN2 types. For 10 points each:
- [10] Name this general class of organic reactions in which a functional group, called the leaving group, is replaced.

ANSWER: <u>substitution</u> reactions [accept <u>single displacement</u> or <u>single replacement</u> reactions, prompt on "displacement" or "replacement]

[10] Substitution reactions can also be classified on whether the reagent ("re-AY-jent") is a nucleophile ("NEW-clee-oh-FILE") or alternatively attracted to these particles. These particles make up a "cloud" in an atom surrounding the nucleus.

ANSWER: electrons

[10] SN2 reactions preferentially occur in solvents that are aprotic ("eh-PROH-tik") and also have this property. Serine ("SER-een") and threonine ("THREE-uh-neen") are amino acids with this property, in which electron density is unevenly distributed across a molecule.

ANSWER: **polar** [or **polarity**] <AG>

- 11. Tribes of these people are known as *iwi*, and they signed the Treaty of Waitangi ("why-TAHN-ghee") with the British. For 10 points each:
- [10] Name these Polynesian people whose infighting led to the deadly Musket Wars. Their current king is Tuheitia ("to-HAY-tee-uh") Paki.

ANSWER: Maori ("MOW-ree") [or tangata whenua]

[10] The Maori are the indigenous people of this country in Oceania. This nation attended the 1891 Constitutional Convention of its Trans-Tasman neighbor, but opted to not join the Federation of Australia.

ANSWER: New Zealand

[10] The Treaty of Waitangi was signed between the Maori and this first governor of New Zealand. After dying from a stroke, he was succeeded by Robert FitzRoy, who also served as the captain of the *HMS Beagle*.

ANSWER: William **Hobson** <AN>

- 12. The eye of this storm came to rest directly over the island of Tinian, destroying the airport and majority of the structures on the island. For 10 points each:
- [10] Name this Category 5 super typhoon whose landfall over the Northern Mariana Islands in 2018 made it the strongest storm to hit U.S. soil since 1935.

ANSWER: Super Typhoon **Yutu** [accept Typhoon **Rosita**]

[10] Yutu was the second-strongest storm to ever hit the United States in terms of wind speed, behind the 1935 Labor Day Hurricane that ripped through this archipelago off the south coast of Florida.

ANSWER: Florida Kevs

[10] After impacting the Marianas, Yutu moved westward toward this archipelago, where it was known as Typhoon Rosita. Earlier in 2018, this country was severely damaged by Typhoon Mangkhut.

ANSWER: The **Philippines** <GP>

- 13. In a novel titled for one of these structures, a character who befriends the club-footed Kashiwagi yells "If you meet the Buddha in the road, kill him." For 10 points each,
- [10] Identify these locations, one of which is burned down by Mizoguchi. In another novel titled for one of these structures, Princess Chantrapa claims to be the reincarnation of Isao Iinuma, the protagonist of *Runaway Horses*.

ANSWER: temples [accept The Temple of the Golden Pavilion, accept The Temple of Dawn]

[10] This Japanese author wrote both *The Temple of Dawn* and *The Temple of the Golden Pavilion*. He discussed a man coming to terms with homosexuality in traditional Japan in his *Confessions of a Mask*.

ANSWER: Yukio Mishima [accept Kimitake Hiraoka]

[10] Yukio Mishima also wrote a modern version of the Noh play *Aoi no Ue*, which takes its name from a fictional character from this Heian-era novel by Murasaki Shikibu.

ANSWER: The <u>Tale of Genji</u> [accept <u>Genji Monogatari</u>] <NS>

- 14. This river was known as the Oxus to the Ancient Greeks. For 10 points each:
- [10] Name this river of Central Asia that forms the modern border between Afghanistan and Tajikistan. It lies south of the similarly named "Syr" river.

ANSWER: Amu Darya

[10] The Amu Darya flows into this dwindling body of water. This lake, once the fourth-largest in the world, has shrunk dramatically in size due to misguided Soviet irrigation projects in the latter half of the 20th century.

ANSWER: Aral Sea

[10] Once a major tributary of the Amu Darya, the Zeravshan River now dries up near this country's city of Karakul. The river also flows past this country's city of Samarkand.

ANSWER: <u>Uzbekistan</u> <JA>

- 15. One of the earliest instances of this technique occurred when Louis Armstrong forgot his lines while recording the song "Heebie Jeebies." For 10 points each:
- [10] Name this jazz vocal technique which involves making up nonsense syllables.

ANSWER: scat singing

[10] Scat singing was a specialty of this singer nicknamed the "First Lady of Song." Some of her most famous covers include "How High the Moon" and "A-Tisket, A-Tasket."

ANSWER: Ella **Fitzgerald** [or Ella Jane **Fitzgerald**]

[10] Both Ella Fitzgerald and Bobby Darin have had hits covering this song. This song, which comes from the Kurt Weill and Bertolt Brecht collaboration *The Threepenny Opera*, is about a murderous highwayman.

ANSWER "Mack the Knife" <WG>

- 16. A buried child from this culture was discovered at the Anzick-1 site in Montana and became the first prehistoric Native American to have its genome sequenced. For 10 points each:
- [10] Name this Paleo-Indian culture, best known for hunting with sharpened stone projectiles known as their namesake "points."

ANSWER: Clovis culture

[10] The Clovis are named for an archaeological site found along the Blackwater Draw in this state. The Spanish conflated the legendary city of Cibola with Hawikuh, a Zuni pueblo near this state's border with Arizona.

ANSWER: New Mexico

[10] The first Clovis point was discovered in the "Burnet" one of these natural features. Examples of these locations in France include Chauvet and Lascaux, which feature Paleolithic animal drawings.

ANSWER: <u>cave</u>; or Burnet <u>Cave</u>; or Chauvet <u>Cave</u>; or Lascaux <u>Cave</u>; or <u>cave</u> paintings] <JA>

`

- 17. Answer some questions about the work of the only female Fields Medal winner, Maryam Mirzakhani ("meer-zah-KAH-nee"), for 10 points each:
- [10] Mirzakhani was well known for her work within this field of mathematics. According to this discipline, a torus is equivalent to a coffee mug because they have the same number of holes.

ANSWER: topology

[10] Mirzakhani's work with Teichmüller theory operated within geometry described by this adjective. When contrasted with geometric, this adjective also describes sequences whose terms have a constant common difference.

ANSWER: arithmetic

[10] This man names the manifold surfaces Mirzakhani won her Fields Medal for studying. His still unproven hypothesis states that a certain function's roots all have a real part of one half.

ANSWER: Georg Friedrich Bernhard Riemann ("REE-mahn") < OL>

- 18. In a novel, people who partake in this activity gather in the Prince Heinrich Hotel each weekday beginning at 9:30 PM. For 10 points each:
- [10] Identify this activity that titles a Heinrich Boll novel in which Robert Faehmel ("FEH-mull") destroys the St. Anthony's Abbey and takes comfort in playing this game.

ANSWER: playing **billiards** [accept **pool** or a **cue** sport]

[10] Billiards at Half-Past Nine takes place in this country, the birthplace of its author. Another author from this country, Gunter Grass, has faced derision for his involvement with this country's Nazi Party.

ANSWER: **Germany** [or **Deutschland**]

[10] In the novel, Faehmel has this creative profession. In a Henrik Ibsen play titled for a "Master" one of these people, Halvard Solness dies by attempting to place a wreath on a tower to impress Hilda Wrangel.

ANSWER: architect [or The Master Builder] <NS>

- 19. One progressive senator from this state died in a 2002 plane crash, leading to a special election where a former senator from this state, Walter Mondale, lost. For 10 points each:
- [10] Name this Midwestern state, whose Democratic and Farmer-Labor Party merged to form the DFL in 1944. A progressive from this state fought to include a civil rights plank in the Democratic Party's 1948 platform.

ANSWER: Minnesota

[10] This other former Minnesota senator was instrumental in merging the Democratic and Farmer-Labor Party and argued for the civil rights plank in 1948. He won the Democratic nomination for president in 1968.

ANSWER: Hubert **Humphrey** [or Hubert Horatio **Humphrey** Jr.]

[10] Humphrey won the nomination for president in this Midwestern city. Connecticut Senator Abraham Ribicoff accused Richard J. Daley of using "Gestapo tactics in the streets of" this city.

ANSWER: Chicago, Illinois <AN>

- 20. A group of artists who worked in this medium were known as the "Four Talented" practitioners of this discipline. For 10 points each:
- [10] Identify this Chinese art form popularized by Wang Xizhi whose works preface the poetry collection *Poems Gathered at the Orchid Pavilion*. In modern times, Xu Bing created a "square word" type of this form of art.

ANSWER: calligraphy [prompt on lettering, words, text, or other similar answers]

[10] Ancient Chinese calligraphy was typically created using these instruments to inscribe the calligraphy on oracle bones. These instruments were often composed of a bamboo shaft and a head of animal hair or fur.

ANSWER: calligraphic brushes

[10] This contemporary dissident Chinese artist took inspiration from the geometric patterns of calligraphy for pieces like *Coca Cola Vase*. He filled a room at the Tate Modern with millions of sunflower seeds.

ANSWER: Ai Weiwei <NS>