

2019 Wayzata Academic Invitational Tournament

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Packet 15

Tossups

1. In this story, wood chips are replaced by a man who runs the coal business and is sworn in by the postmaster. Because Horace is not yet sixteen in this story, Mrs. Dunbar takes the place of her husband, who has a broken leg. In this story, Mr. Graves carries a stool to the town square, which is the location of an event conducted by (*) Mr. Summers. "Corn be heavy soon" is said by Old Man Warner in defense of the title event of this story, which takes place on June 27. After drawing a slip of paper from a black box, Tessie Hutchinson is stoned to death in this story. For 10 points, name this short story by Shirley Jackson.

ANSWER: "The Lottery" <BS> Ed. JK

2. Sacoglossan sea slugs sequester these structures from organisms they consume. Some of these structures contain starch-filled substructures called pyrenoids. Like she claimed for the mitochondrion, Lynn Margulis proposed that this structure probably existed as a prokaryote but then underwent (*) endosymbiosis. This organelle is filled with the fluid stroma, which contains enzymes such as RuBisCO and is where the Calvin cycle takes place. Thylakoids in this organelle contain the green pigment chlorophyll. For 10 points, name this plant organelle that is the site of photosynthesis.

ANSWER: chloroplasts <AH> ED. GC

3. American billionaire J. Tomilson Hill bypassed an auction to buy a work by this artist that was discovered in a French attic in 2014; in that work by this artist, a woman in black glares at the viewer as she kills an Assyrian general. This artist depicted two disciples at a dinner table as they realize that a beardless man is (*) Christ in another work. This artist of two versions of *Judith Beheading Holofernes* [holo-FER-nees] illuminated a tax collector with a beam of light in another work. For 10 points, name this Baroque master of chiaroscuro who painted *Supper at Emmaus* and *The Calling of St. Matthew*.

ANSWER: Michelangelo Merisi da Caravaggio <CS> Ed. TH

4. A successor state of this empire fell after Emperor David asked for a remission on a tribute; that successor state of this empire was the Trebizond Empire. This empire's Macedonian Renaissance ended after Alp Arslan's victory at the Battle of Manzikert. This empire's Varangian (*) Guard was formed by Basil II, who was nicknamed "the Bulgar Slayer." A ruler of this empire was the subject of Procopius's *Secret History* and created the Corpus Juris Civilis, a sweeping law code. This empire fell after Mehmet II breached its capital. For 10 points, name this empire ruled by such leaders as Justinian from Constantinople.

ANSWER: Byzantine Empire <AK> Ed. TH

5. The Haig-Simons definition of this quantity calculates it by accounting for consumption and change in net worth. Price changes can be accounted for by decomposing them into the substitution effect and an effect named for this quantity. Milton Friedman's life-cycle hypothesis proposes that (*) spending behavior is determined partially by projected future values of this quantity. This quantity's namesake effect predicts that people with more real wealth will spend more. For 10 points, name this economic value that measures an entity's gains within a specific amount of time.

ANSWER: income [accept profit; prompt on wealth before mention] <BL> Ed. GC

6. This band sings “there’s nothing wrong with just a taste of what you’ve paid for” in their song “The Ballad of Mona Lisa.” An album cover by this band shows the lead singer lying on a roof in front of a pool with a red car and includes songs like “Emperor’s New Clothes.” In a music video, this band’s lead singer walks out of a Tesla and up the side of a skyscraper. This band started as a (*) Blink-182 cover band before releasing their first studio album, *A Fever You Can’t Sweat Out*. For 10 points, name this band fronted by Brendon Urie behind the songs “Death of a Bachelor” and “High Hopes.”

ANSWER: Panic! at the Disco [prompt on “Panic” alone; prompt on “Brendon Urie” before mentioned] <AK/AH> Ed. JK

7. These objects partially title a short story collection about heroin users by Irvine Welsh. In one of these locations, a man discusses an operation with Jig in “Hills like White Elephants.” These objects are built by a company that fights against wheat farmers in Frank Norris’s *The Octopus*. In a novel set in one of these locations, a Belgian detective deduces that (*) Daisy Armstrong’s grandmother helped kill Ratchett. After sending a telegram to Count Vronsky, Anna Karenina dies by jumping in front of one of these vehicles. For 10 points, what is the setting of Agatha Christie’s *Murder on the Orient Express*?

ANSWER: trains [accept railroads; accept train stations; accept Trainspotting; prompt on Orient Express before mention by saying, “Can you be less specific?”] <CS> Ed. JK

8. The wave speed of a standing wave is equal to the square root of tension over the linear form of this quantity, which is symbolized “mu” in that equation. Pressure times molar mass over R times temperature yields this quantity for ideal gases. The element (*) osmium has the largest value for this quantity. A value of this quantity divided by that of water yields specific gravity. For 10 points, name this physical quantity, commonly measured in grams per cubic centimeter, that is equal to mass divided by volume.

ANSWER: density [or volumetric mass density; accept linear density] <BW> Ed. GC

9. This leader ordered the construction of an estate with indoor waterfalls and a revolving banquet hall called the Domus Aurea [DAH-mus ore-we-us]. This man had his teenage stepbrother Britannicus poisoned to secure his own position, and the Pisonian conspiracy tried to depose this man. This ruler built a boat designed to sink to kill his mother, (*) Agrippina the Younger, who opposed his relationship with Poppaea Sabina [po-PEE-nuh suh-bah-nyuh]. This emperor’s reign saw the revolt of Vindex and the Battle of Watling Street, where Boudicca’s revolt was crushed. For 10 points, name this Roman emperor who did not actually fiddle during the Great Fire of Rome.

ANSWER: Nero Claudius Caesar Augustus Germanicus <BL> Ed. TH

10. Historian Adrienne Mayor has posited that stories about this group were based on ancient Greek interactions with the Scythians. The first leader of this group, Otrera, mythically founded the temple of Artemis at Ephesus with Antiope [An-tee-OH-pee]. After killing and falling in love with a (*) queen of this group, Achilles promised to return the body of Penthesilea to the Trojans. The target of Heracles’s ninth labor was the magic girdle of a queen of this group named Hippolyta. For 10 points, name this tribe of warrior women from Greek mythology.

ANSWER: Amazons [or Amazones] <AH> Ed. TH

11. A piece by this composer gets its nickname from its use of dissonant minor seconds. His opus 28 includes a difficult piece that Hans von Bülow dubbed "Hades" that follows a piece whose namesake effect is evoked by a constantly repeated A flat. The lento third movement of his Second Piano Sonata is an archetypal funeral march. This composer of the (*) "Wrong Note" étude used sixteenth-note runs in the left hand to begin a work inspired by a failed rebellion against Russia. A dog chasing its tail inspired another piece by, for 10 points, what Polish composer of the *Revolutionary Étude* and the *Minute Waltz*?

ANSWER: Frédéric (François) Chopin (fray-day-REEK shoh-PAN) [or Fryderyk Franciszek Szopen]
<BS> Ed. RC

12. In the frame narrative of a novel named after characters of this kind, a reporter listens to Dr. Susan Calvin, a psychologist who studies these beings. In a play, Alquist attempts to recreate a formula to make these beings; in that play, two characters of this type called Helena and Primus are compared to Adam and Eve. *The Caves of Steel* and *The Naked Sun* are part of a series named after these beings, (*) which cannot harm and must obey humans. Karel Čapek [CHA-peck] is credited for naming these beings in his play *R.U.R.* For 10 points, Isaac Asimov created three laws for what mechanical beings?

ANSWER: robots [prompt on "android"] (The first line refers to *I, Robot.*) <CS> Ed. JK

13. An oil company founded by this politician and James Noe called Win or Lose made 800 million dollars off a 70-year lease. Cecil Morgan tried to impeach this man from his highest post, and this man later used state National Guard troops to prevent a coup by Lieutenant Governor Paul Cyr. This politician called himself "a hundred years ahead" of Franklin Roosevelt, and this man was (*) assassinated in 1935 by Carl Weiss, a year after campaigning to limit annual income through his "Share Our Wealth" plan. For 10 points, name this Louisiana politician who wished to make "every man a king," known as "the Kingfish."

ANSWER: Huey Pierce Long <AK> Ed. TH

14. A centrosymmetric molecule cannot be active in both of two specific types of this technique, according to the rule of mutual exclusion. One type of this technique can only detect atoms with non-zero spin and is commonly applied to either protons or carbon-13. Organic molecules can be identified using a form of this technique called (*) NMR or a form relying on infrared radiation. Emission and absorption lines can be observed in many forms of this technique. For 10 points, identify this group of techniques used to identify atoms and molecules by their interactions with electromagnetic radiation.

ANSWER: spectroscopy [accept NMR spectroscopy; accept nuclear magnetic resonance spectroscopy; accept IR spectroscopy; accept infrared spectroscopy; accept emission spectroscopy; accept absorption spectroscopy; accept spectral lines; prompt on scattering; prompt on NMR; prompt on absorption; prompt on emission]

15. The Atbara River, a majority tributary of this river, dries up annually due to lack of rain. The Dinka and Nuer people live along this river in the Sudd swamps. The Sennar Dam lies on this river, and construction of the Grand (*) Ethiopian Renaissance Dam on this river has stalled. The cities of Jinja and Juba lie on this river, and Khartoum lies at the confluence of this river's Blue and White tributaries. The source of this river is usually considered to be Lake Victoria. For 10 points, name this river that partially flows through Egypt and Sudan, the longest in Africa.

ANSWER: Nile River <BL> Ed. BS

16. The **qasr** [ka-sir] version of this activity can be done while traveling. This activity is preceded by **wudu**, or ritual self cleansing. This activity is divided into units called **rakat**, which includes the recitation of the **takbir**. This activity has variants such as **Maghrib** and **Isha** based on the (*) time of day. This activity begins with the stating of **niyyah** [nee-ya], and must be done in the direction of the **qibla**. **Adhan** is the call to perform this activity, which is done by either a **muezzin** or a loudspeaker from a minaret. For 10 points, name this act of worship that Muslims do while facing Mecca.

ANSWER: **prayer** [accept word forms, accept **salat**, **salah**, or **namaz**] <AH> Ed. TH

17. In one story including this character, Dr. Roylott attempted to kill Roylott's stepdaughter, Helen, by using a swamp adder, the title "speckled band." This character fakes a fire to find a photograph being used to blackmail the king of Bohemia in a story where he is outsmarted by "the woman." This character first appeared in a novel in which he finds the (*) killer Jefferson Hope, a cabbie. This character died at Reichenbach Falls in a fight with Professor Moriarty and appeared in "A Scandal in Bohemia" and *A Study in Scarlet* alongside Dr. Watson. For 10 points, name this detective created by Arthur Conan Doyle.

ANSWER: **Sherlock Holmes** <BS> Ed. JK

18. This man designed a pilgrim shelter in Ronchamp alongside a chapel with an upturned concrete roof. This architect developed the Plan Voisin [vuah-sahn] to modernize Paris by constructing large cross-shaped skyscrapers as part of his Contemporary City project. "Raw concrete" was used to build this man's "Unite d'habitation" in (*) Marseille, which features supporting columns called **pilotis** [PIE-low-tus], a characteristic he advocated for in his treatise *Towards a New Architecture*. For 10 points, name this Swiss French architect who designed applied his "Five Points" to his Villa Savoye.

ANSWER: Le **Corbusier** [accept Charles-Édouard **Jeanneret-Gris**] <BL> Ed. JK

19. This man, who is buried in the mausoleum Anitkabir [on-uh-ka-BEESH], passed the Hat Law of 1925, forcing government officials to wear top hats rather than traditional headgear. To promote his country's culture, this man named the state-owned corporation Sumerbank after the Sumerians. This man's opposition to the Treaty of Sèvres [sev] led to its replacement with the (*) Treaty of Lausanne. As part of his Six Arrows, this leader copied the Swiss civil code and introduced the Latin alphabet to replace the Ottoman alphabet. For 10 points, name this leader who moved his country's capital to Ankara and was the first president of Turkey.

ANSWER: Mustafa **Kemal Atatürk** [accept either underlined portion] <BL> Ed. TH

20. When taking a double integral, changing variables requires multiplying the integrand by one of these objects. One of these objects composed entirely of second-order partial derivatives is called the **Hessian**. These objects are "symmetric" if they are equal to their transpose, and the (*) trace of one of these objects is equal to the sum of values across a diagonal. For a two-by-two one of these objects, the quantity " a d minus b c " is the determinant. For 10 points, name these rectangular arrays of numbers.

ANSWER: **matrix** [or **matrices**; or square **matrix**; or square **matrices**; prompt on "**Jacobian**" or "**Hessian**" by asking "Can you be less specific?"] <AK> Ed. GC

Tiebreaker: A poem written in this language describes the death of a mistress's sparrow. A work in this language comprises letters written by mythological women to their lovers. The author of *Heroides* [hear-oh-ih-dees] used this language to write of Babylonian lovers in the story of (*) Pyramus and Thisbe. This language was used in a poem that begins, "I sing of arms and the man," in which Turnus is killed for wearing Pallas's belt; in that poem in this language, the Carthaginian queen Dido kills herself after being left by a Trojan prince. For 10 points, name this language used by Ovid for the *Metamorphoses* and by Virgil for the *Aeneid*.

ANSWER: **Latin** (The first line refers to Catullus.) <CS> Ed. JK

Bonuses

1. In this opera, Jaquino repeatedly proposes to Marzelline but is turned down each time because she is infatuated with the title character. For 10 points each:

[10] Name this opera in which Leonore disguises herself as a man and takes on the title name. This opera was the only one composed by Beethoven.

ANSWER: Fidelio

[10] Leonore disguises herself as Fidelio to retrieve her husband, Florestan, from one of these locations. In the opera, Florestan resides in a dangerous one of these locations overseen by Don Pizarro, who orders a grave be dug for Florestan.

ANSWER: prison [or jail; accept reasonable equivalents]

[10] The final version of *Fidelio* premiered in this city at the Kärntnertortheater. The most highly regarded opera house in this Austrian city is its namesake State Opera, which performs works like *Fidelio* and *The Magic Flute*.

ANSWER: Vienna [or Wien] <BL> Ed. TH

2. Many Carbonari, or “charcoal burners,” participated in this movement. For 10 points each:

[10] Name this nineteenth-century movement that called for the formation of a modern-day country. After this movement succeeded, Victor Emmanuel II became the first king of that country.

ANSWER: Risorgimento [or Italian unification; accept clear equivalents]

[10] This man, a major leader of the Risorgimento, led the Expedition of the Thousand with his Red Shirts to conquer the Kingdom of the Two Sicilies.

ANSWER: Giuseppe Maria Garibaldi

[10] After this early French and Italian victory of the Risorgimento, Napoleon III signed the Treaty of Villafranca without giving notice to the Italians. Witnessing the suffering at this battle led Henry Dunant to found the International Red Cross.

ANSWER: Battle of Solferino and San Martino <AK> Ed. TH

3. A hormone responsible for controlling this stimulus is opposed by leptin. For 10 points each:

[10] Identify this stimulus caused by ghrelin [grel-in], which promotes the release of neuropeptide Y.

ANSWER: hunger

[10] Ghrelin acts on neurons found in this structure, a component of the limbic system that also controls thirst and circadian rhythms.

ANSWER: hypothalamus

[10] By maintaining body temperature, the hypothalamus is responsible for consistently maintaining this condition, in which living systems maintain relatively constant values of such quantities as blood pressure and pH.

ANSWER: homeostasis <BW>Ed. GC

4. In this story, the workman Mr. Scott dies before the title event. Laura attempts to stop this event, but her mother and sister insist that it continue. For 10 points each:

[10] Name this event that titles a short story by Kate Mansfield.

ANSWER: “The Garden Party”

[10] Stanley Webber receives a toy drum in this author’s play *The Birthday Party*. This author’s play *Betrayal* centers on the characters Jerry, Emma, and Robert and takes place in reverse chronological order.

ANSWER: Harold Pinter

[10] In a Lewis Carroll book, this character attends the Mad Hatter’s tea party despite insistences that there is no room. Earlier, this character fell down a rabbit hole and met the March Hare.

ANSWER: Alice in Wonderland [accept Alice Liddell] <BS> Ed. JK

5. This work argues that the development of modern medicine was a result of an epistemological rupture. For 10 points each:

[10] Name this work, subtitled “an archaeology of medical perception,” that developed the concept of the “medical gaze.”

ANSWER: *The **Birth of the Clinic**: An Archaeology of Medical Perception* [or ***Naissance de la Clinique**: une archéologie du regard médical*]

[10] This structuralist philosopher wrote *The Birth of the Clinic* as well as *Madness and Civilization* and *Discipline and Punish*.

ANSWER: Paul-Michel **Foucault**

[10] Along with other prominent contemporary thinkers such as Jean-Paul Sartre and Jean Baudrillard, Michel Foucault hailed from this European country.

ANSWER: **France** [or the **French Republic**; or **République française**] <AK> Ed. GC

6. This poem opens, “I think that I shall never see a poem lovely as” one of the title structures. For 10 points each:

[10] Name this poem in which the narrator declares that “poems are made by fools like me, but only God can make” the title structures.

ANSWER: “**Trees**”

[10] This poet of “Trees” is honored at Columbia University through a bad poetry contest. A winning poem at that contest named for this poet begins, “Poetry is like sausage.”

ANSWER: Alfred Joyce **Kilmer**

[10] Another bad literature contest is named for Edward Bulwer-Lytton, whose novel *Paul Clifford* has this oft-quoted first line. Madeleine L’Engle began *A Wrinkle in Time* with this phrase before describing “trees tossing in the frenzied lashing of the wind.”

ANSWER: “**It was a dark and stormy night**” <CS> Ed. JK

7. This man’s son, nicknamed Tommy, ordered the murder of a judge who had sentenced him to jail for corruption. For 10 points each:

[10] Name this man who also helped put down the September 30 Movement. He gained executive power after Sukarno issued the Supersemar.

ANSWER: **Suharto**

[10] Suharto was the second president of this island country, which gained independence from the Dutch in 1949. This country has its capital at Jakarta.

ANSWER: Republic of **Indonesia** [or Republik **Indonesia**]

[10] This term describing Suharto’s regime replaced Sukarno’s “Guided Democracy.” This term is also used to describe people who upheld Suharto’s policies of corruption, known as KKN.

ANSWER: **New Order** [or **Orde Baru**] <AK> Ed. TH

8. Many of these algorithms will no longer be effective if Shor’s algorithm becomes implemented. For 10 points each:

[10] Identify this task of converting readable data to a form readable only by a party possessing a corresponding key necessary to decode it.

ANSWER: **encryption** [or word forms like **encrypting**; or **cryptography**]

[10] This common encryption algorithm named after three computer scientists begins by calculating the product of a pair of large prime numbers and then taking the Carmichael totient function of the result.

ANSWER: **RSA** encryption [or the **RSA** cryptosystem; or **Rivest-Shamir-Adleman** encryption; or **Rivest-Shamir-Adleman** cryptosystem]

[10] Shor’s algorithm could break RSA by efficiently performing this task of decomposing a number into its product of primes.

ANSWER: prime **factorization** <BS> Ed. GC

9. Religious icons are traditionally covered in velvet during this observance, which is commonly associated with the color purple. For 10 points each:

[10] Name this Christian religious observance that commemorates the forty days that Jesus spent in the desert. Many Christian denominations fast or give up certain items during this observance.

ANSWER: **Lent**

[10] Lent begins on this holiday. Observers are crossed on their foreheads using a substance that symbolizes the dust that humans are made of.

ANSWER: **Ash Wednesday**

[10] This other Christian holiday falls during the Lent period. This holiday commemorates the Last Supper and falls shortly before Easter.

ANSWER: **Maundy Thursday** <BL> Ed. JK

10. One of these animals belonging to Mr. Sneaze titles a Natsume Soseki [nat-soo-may so-se-kee] novel. For 10 points each:

[10] Name this type of animal. Mikhail Bulgakov wrote about one of these animals named Behemoth, who appears alongside Professor Woland in the novel *The Master and Margarita*.

ANSWER: **cat** [accept *I Am a Cat*] <BS>

[10] Behemoth is a cat of this color. Julien Sorel shoots Madame de Rênal in a Stendhal novel titled for red and this color.

ANSWER: **black** [accept *The Red and the Black*]

[10] This poet wrote *Ode on the Death of a Favourite Cat, Drowned in a Tub of Goldfishes* for his cat Selima. He is better known for a poem that begins, "The curfew tolls the knell of parting day."

ANSWER: Thomas **Gray** <BS> Ed. JK

11. Stanley Whittingham, Akira Yoshino, and John Goodenough won the 2019 Nobel Prize in Chemistry for helping develop the lithium-ion form of these devices. For 10 points each:

[10] Name these electrochemical cells that can both store and supply power in the form of chemical reactions.

ANSWER: rechargeable **battery** [or rechargeable **batteries**; or lithium-ion **battery**; or lithium-ion **batteries**]

[10] The most common anode in a lithium-ion battery is this material, since a lithium ion can intercalate between the layers of this material.

ANSWER: **graphite** [prompt on "carbon"]

[10] Another common type of rechargeable battery relies on a compound containing hydrogen and this ferromagnetic metal with symbol Ni.

ANSWER: **nickel** <AH> Ed. GC

12. This book is followed by *P.S. I Still Love You* and *Always and Forever, Lara Jean*. For 10 points each:

[10] Name this book in which Peter Kavinsky and Josh Sanderson receive love letters from Lara Jean. Lara Jean's best friend Chris accompanies her on a school ski trip, where Genevieve secretly records her in a hot tub.

ANSWER: ***To All the Boys I've Loved Before***

[10] *To All the Boys I've Loved Before* was written by this Korean American author of *Burn for Burn* and *The Summer I Turned Pretty*.

ANSWER: Jenny **Han**

[10] In *To All the Boys I've Loved Before*, Lara Jean's younger sister finds her hatbox and mails out her love letters and her older sister breaks up with their neighbor Josh before going to college in Edinburgh. Name either sister.

ANSWER: **Kitty** Song Covey or **Margot** Song Covey [accept **Katherine** Song Covey; prompt on "Song Covey"] <BS> Ed. JK

13. The protagonist of this work finds matches in the Palace of Green Porcelain. For 10 points each:
[10] Name this novella. The Eloi Weena gives the protagonist of this novella white flowers before she dies in a fire alongside Morlocks.

ANSWER: The *Time Machine*

[10] In this novel by the writer of *The Time Machine*, Edward Prendick meets the title character, who performs vivisections to make human-animal hybrids. Prendick eventually escapes after a lifeboat with corpses washes ashore.

ANSWER: The *Island of Doctor Moreau*

[10] This English author of *The Time Machine* and *The Island of Doctor Moreau* wrote about an alien invasion in *The War of the Worlds*.

ANSWER: H. G. Wells [accept Herbert George Wells] <CS> Ed. JK

14. This country's civil war began in 2015 and is between the Supreme Political Council and its nation's cabinet. For 10 points each:

[10] Name this country that is located on the Gulf of Aden and is governed from Sana'a.

ANSWER: Republic of Yemen [or al-Yaman; accept Yemeni Civil War]

[10] The Supreme Political Council is backed by this political and military force that is named for the tribe its founder is from. Iran has denied allegations that it has supplied this force with arms.

ANSWER: Houthi Movement [or Houthis or Ansar Allah; prompt on "Supporters of God"]

[10] The cabinet of Yemen is controlled by this man, who is in exile in Saudi Arabia. He was the nation's president before the outbreak of the Civil War.

ANSWER: Abdrabbuh Mansur Hadi <BW> Ed. BS

15. This man went to war with Rome after the city of Tarentum requested his protection. For 10 points each:

[10] Name this king of Epirus who names a type of "victory" that is tantamount to defeat. According to Plutarch, this man once admitted that "if we are victorious in one more battle with the Romans, we shall be utterly ruined."

ANSWER: Pyrrhus of Epirus

[10] That quote was spoken by Pyrrhus after this battle, which pitted Pyrrhus against Publius Decius Mus. Pyrrhus fought this battle after his victory at the Battle of Heraclea.

ANSWER: Battle of Asculum

[10] Pyrrhus's army used these giant animals at Asculum and Heraclea. Fifty years later, Hannibal used these large animals to cross the Alps.

ANSWER: elephants <AK> Ed. TH

16. One source for this epithet of Athena may have been the name of a friend with whom she practiced war games and whom she accidentally killed. For 10 points each:

[10] Name this epithet of Athena, which may have been assumed after killing a daughter of Triton or after slaying a giant in the gigantomachy.

ANSWER: Pallas

[10] Like Athena, this hero may also have been named for someone he killed. This hero also killed the Chimera with the help of Pegasus.

ANSWER: Bellerophon [bel-LAY-ruh-foh]

[10] After killing Belleros, Bellerophon was first exiled to the court of King Proetus [Pro-ey-tus] on this island, which shares its name with a giant made by Hera whose epithet Panoptes [pan-OP-tees] means "all-eyes."

ANSWER: Argos [or Argus] (Note to moderator: They are the same thing, as Argus is the Latin version of Argos, and Greek doesn't have a "u," so they're both spelled the same in Greek.) <AH> Ed. TH

17. William Harper organized a nullification ordinance for this legislation. For 10 points each:

[10] Name this controversial law signed by John Quincy Adams that severely taxed imported goods and raw materials, leading to the nullification crisis in South Carolina.

ANSWER: **Tariff of 1828** [or **Tariff of Abominations**; prompt on “tariff” alone]

[10] This vice president of John Quincy Adams and Andrew Jackson resigned during the Nullification Crisis. This man strongly opposed the Tariff of 1828 by publishing the anonymous essay “South Carolina Exposition and Protest.”

ANSWER: John Caldwell **Calhoun**

[10] The Kentucky and Virginia Resolutions drafted by Thomas Jefferson and this fourth president of the United States made an earlier argument for nullification. This president also penned the Federalist Papers with Alexander Hamilton and John Jay.

ANSWER: James **Madison** Jr. <AK> Ed. TH

18. Before this artist died, he completed the ten-painting series *Portraits of the Insane*, which includes *A Kleptomaniac* and *A Child Snatcher*, although only five survive. For 10 points each:

[10] Name this French Romantic artist who depicted French soldiers in his paintings *The Charging Chasseur* and *The Wounded Chasseur*.

ANSWER: Jean-Louis Andre Theodore **Gericault**

[10] This Gericault painting shows an old man wearing a red shawl holding the corpse of his son as the ship *Argus* approaches in the distance. A black man waving a flag in this painting is believed to signal Gericault’s support for the abolition movement.

ANSWER: *The Raft of the Medusa* [or *Le Radeau de la Meduse*]

[10] This other Gericault work shows the title event curiously occurring without any spectators. The horses in this painting are also anatomically incorrect, as both their front and hind legs are stretched.

ANSWER: *The 1821 Derby at Epsom* [or *Le Derby 1821 a Epsom*; accept *Horse Race* or *Course de chevaux*] <BL> Ed. TH

19. Answer the following about the influential Baroque composer François Couperin [koo-prawn], for 10 points each.

[10] Couperin wrote a treatise on the art of playing this keyboard instrument, for which Domenico Scarlatti composed 555 sonatas.

ANSWER: **harpsichord** [or **clavecin**; accept *The Art of Harpsichord Playing* or *L'art de toucher le clavecin*]

[10] This French composer memorialized friends who died in World War I in his Baroque-influenced piano suite *Le Tombeau de Couperin*. He also composed the incredibly repetitive *Boléro*.

ANSWER: Maurice **Ravel** [rah-VEL] [or Joseph-Maurice **Ravel**]

[10] This composer of the tone poems *Ein Heldenleben* [ine HEL-den-lay-ben] and *Death and Transfiguration* wrote a *Dance Suite from Keyboard Pieces* by François Couperin.

ANSWER: **Richard Strauss** [prompt on “Strauss”] <CS> Ed. RC

20. This woman is the only woman to have an element named exclusively after her. For 10 points each:

[10] Name this physicist who developed nuclear fission with Otto Hahn and Otto Robert Frisch. She is the namesake of element 109.

ANSWER: Lise **Meitner**

[10] Otto Hahn received the Nobel Prize for his work on the fission of this element, while Meitner did not. This element’s isotope 235 is a naturally occurring fissile isotope.

ANSWER: **uranium** [or **U**]

[10] Elements heavier than this element can produce energy through fission. All elements lighter than it are formed through fusion instead.

ANSWER: **iron** [or **Fe**] <BW> Ed. GC