

## ACF Fall 2017

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Packet by Kansas State A, McGill B, CMU A, and Liberty A

### Tossups

1. An organic reagent containing this element reacts with potassium alkoxide to form the highly reactive Schlosser's base. This element's hydroxide is used in spacecraft to absorb carbon dioxide. This element is coupled with copper in the organometallic Gilman reagents. Aluminium is combined with this element in a hydride commonly used to reduce esters and carboxylic acids to alcohols. This element is the least dense metal on the periodic table. Salts of this element are used to treat bipolar disorder. For 10 points, name this element, the lightest alkali metal, which is commonly used as the cathode in laptop batteries and has atomic number 3.

ANSWER: **lithium** [or **Li**]

2. James Bayard led several others in submitting blank ballots during this election year. Alexander Hamilton urged his supporters to choose the eventual winner of this election by warning that he "was not so dangerous a man" as the alternative, Aaron Burr. This election was the first election to be decided by the House of Representatives. Issues in this election included the naval Quasi-War with France and the Alien and Sedition Acts. The 12th Amendment was passed after this election, which resulted in the peaceful transfer of power from the Federalists to the Democratic-Republicans. For 10 points, incumbent president John Adams lost what presidential election to Thomas Jefferson?

ANSWER: Election of **1800**

3. In October 2017, an opera in this language became the first staged opera performed in Vienna's Musikverein (moo-ZEEK-fair-ine). A traditional dance in alternating 2/4 (two-four) and 3/4 time, called a furiant, appears in some operas in this language. The composer based the libretto on a comic strip for an opera in this language, *The Cunning Little Vixen*. In an opera in this language, a water-nymph in love with a human prince sings a "Song to the Moon," the most famous aria from the opera *Rusalka*. Other operas in this language include *Jenůfa* (yen-NOO-fa) and *The Bartered Bride*. For 10 points, name this language used in operas by Leoš Janáček (YA-na-check), Bedřich Smetana, and Antonín Dvořák.

ANSWER: **Czech**

4. After initially being rejected, a missionary to this modern-day country is said to have sat in a cave and faced a wall for nine years. The "Ten Wings" refers to a collection of commentaries on an important religious text from this country, which contains a collection of 64 hexagrams used for divination. Ancient diviners in this country would carve questions into oracle bones and interpret the cracks formed when heating them. The monk Bodhidharma (bo-dee-DAR-ma) first brought Buddhism to this country. This country's Four Books and Five Classics include the *Book of Changes* and the *Analects*. For 10 points, name this country, the birthplace of Confucianism.

ANSWER: People's Republic of **China** [or **Zhongguo**]

5. A girl in this play explains that German "isn't a becoming language" because she looks "quite plain" after her German lesson. At the start of this play, a servant responds to piano playing by saying "I didn't think it polite to listen." A character in this play uses the excuse of a fictional invalid friend to avoid social obligations, a process he calls "Bunburying." In its final act, one of its main characters learns that he was accidentally abandoned in a handbag at Victoria Station as a child from Lady Bracknell. For 10 points, name this play in which Gwendolyn Fairfax refuses to marry Jack Worthing since he doesn't have the title name, written by Oscar Wilde.

ANSWER: *The **Importance of Being Earnest***

6. In one painting from this art movement, two lovers are entwined in front of a red curtain as one of them reaches to bolt a door. In another painting from this movement, a king's portrait is being packed into a crate. *The Shop Sign of Gersaint* ["zhurr-san"] is from this movement, as is another painting which shows a woman raising her right leg whilst on the title object, allowing a young man to see up her dress. *Fête galantes* ["fet gall-orn"] such as *The Embarkation for Cythera* were painted in this movement by Antoine Watteau. For 10 points, Jean-Honoré Fragonard's *The Swing* is part of what ornamental 18th-century art movement in France that reacted to Baroque?

ANSWER: **Rococo** [or Baroque **Rococo**; prompt on **Late Baroque**; prompt on **Baroque**]

7. The Izu-Bonin-Mariana Arc, or IBM Arc system, is an example of a back-arc basin formed due to this process. When this process occurs, it can create Wadati-Benioff zones, sites especially prone to deep-focus earthquakes. This process leads to the formation of continental arcs or volcanic arcs depending on whether it occurs at the boundary of two continental plates or between a continental and oceanic plate. This process can contribute to mantle convection by causing the oceanic lithosphere to sink into Earth's mantle in namesake "zones." For 10 points, name this process in which one tectonic plate is pushed beneath another and sinks into the mantle.

ANSWER: plate **subduction** [prompt on "(plate) convergence"]

8. William Rothenstein encouraged this author to journey to London, where he nearly lost his only manuscript of a poetry collection on the metro. A poem by this author calls love "an endless mystery, for it has nothing else to explain it." This author wrote "take away my golden paddy when you sail" in his poem "The Golden Boat." This author wrote two different national anthems, including "Jana Gana Mana." A poem by this author begins "thou hast made me endless, such is thy pleasure," and appears in a collection whose preface was written by W. B. Yeats. For 10 points, name this winner of the 1913 Nobel Prize in Literature, a Bengali poet who wrote the collection *Gitanjali*.

ANSWER: Rabindranath **Tagore**

9. The losers of this battle recalled their greatest commander after the Battle of the Great Plains to reinforce them. In the aftermath of this battle, its losers forfeited their navy and their control over the Iberian Peninsula. The lands of king Syphax were given to Massinissa for defecting to the winning side of this battle, becoming the kingdom of Numidia. War elephants belonging to the losing side in this battle became panicked at the sound of horns and charged through their own lines, a tactic that led to its winning commander gaining the title "Africanus." For 10 points, name this 202 BC defeat for Hannibal, a battle between Rome and Carthage that ended the Second Punic War.

ANSWER: Battle of **Zama**

10. In the beginning of an F-minor movement of this piece, the first violins play a slurred C – G-flat – F motif twice as the second violins play soft, rapid staccato eighth notes. The timpani and piccolo only appear in that fourth movement of this piece. In the second movement of this piece, the clarinets, oboe, and flute imitate a cuckoo, quail, and nightingale. The lower strings play a gently rocking melody, evoking flowing water, to open this piece's second movement, *Scene by the Brook*. In this symphony, the fourth movement *Thunderstorm* transitions immediately to the final movement *Shepherd's Song*. For 10 points, name this programmatic symphony by Beethoven, nicknamed the *Pastoral*.

ANSWER: Ludwig van **Beethoven's Symphony No. 6** [or Ludwig van **Beethoven's Sixth** Symphony; accept just **6** or **Sixth** Symphony after "Beethoven" is read; accept **Pastoral** Symphony until "Pastoral" is read]

11. Ann McKee is the head of a center at Boston University which studies the long-term impact of these events. Eric Lindros was forced to retire from hockey due to these events. A cover-up of the impact of these events on long-term health is the subject of the documentary *League of Denial*. Bennet Omalu connected these events to chronic traumatic encephalopathy, and was played by Will Smith in a 2015 film titled after one of these events. The NFL instituted a new protocol for handling these events in the 2014 season which requires a cognitive evaluation before a player can return to play. For 10 points, name this type of traumatic brain injury caused by a blow to the head.

ANSWER: **concussions** [or **mild traumatic brain injury**; prompt on brain injury or brain trauma or sub-concussive hits]

12. A poem by a writer of this ethnicity asks "Why are the senators sitting there without legislating?" and ends by calling the title group of people "a kind of solution." An author of this ethnicity wrote a 33,333-line sequel to the *Odyssey*. Though he spent most of his life in Egypt, the author of the poem "Waiting for the Barbarians," C. P. Cavafy, is a poet of this ethnicity. It's not Portuguese, but an author of this ethnicity also wrote a novel featuring a human and flawed Jesus Christ. A character of this ethnicity seduces Madame Hortense and helps the narrator of a novel manage a lignite mine. For 10 points, name this ethnicity shared by Alexis Zorba and Nikos Kazantzakis.

ANSWER: **Greek** [or **Grecian**; or **Zorba the Greek**; prompt on Cretan]

13. Fictional “epistles” named for this school of thought were popular throughout the Roman empire. The Oracle of Delphi allegedly told one member of this school of thought to “debase the currency.” This school encouraged parrhesia, or free and shameless speech, and it was founded by Antisthenes. Another thinker from this school, when offered a boon by Alexander the Great, asked him to “stand out of my sun.” That philosopher from this school lived in a barrel in the marketplace and would carry around a lamp, looking for an honest man. For 10 points, name this ancient Greek school of thought named for the word for “dog,” which included Diogenes.

ANSWER: **Cynicism** [or **Cynics**]

14. This ruler bemoaned “all is lost save honor” in a letter to his mother, Louise of Savoy, while in captivity. The ambassador Antonio Rincon was sent by this ruler to the court of Suleiman the Magnificent to negotiate an alliance with the Ottoman Empire. The Treaty of Cambrai removed this ruler’s country from the War of the League of Cognac. Leonardo da Vinci spent his last years under the patronage of this ruler, who brought the *Mona Lisa* to his country. In an extravagant meeting that lasted two weeks long, this ruler attempted to form an alliance with Henry VIII at the Field of the Cloth of Gold. For 10 points, name this Valois king of France who lost to Charles V at the Battle of Pavia.

ANSWER: **Francis I** [prompt on **Francis**]

15. These organisms can be grouped into seven categories in a classification system developed by David Baltimore. Some of these organisms contain an *env* gene that codes for lipids and glycoproteins to form their namesake envelope. The first of these organisms to be discovered was proposed to have a hollow, helical structure by Rosalind Franklin, and is known as the “tobacco mosaic” kind. The T4 bacteriophage is an example of a double-stranded DNA version of these organisms. Some of these organisms use reverse transcriptase to integrate DNA into the host cell. For 10 points, name these pathogens made of DNA or RNA surrounded by a protein coat, such as HIV.

ANSWER: **viruses** [or **tobamoviruses** or **tobacco mosaic virus** before “tobacco” is read; or retro**viruses**; or bacteri**phages**]

16. Ovid records an account of a child of this god who was embraced underwater by the nymph Salmacis. Sculpted busts on top of stone pillars with penises carved onto them were named for this god. A Homeric hymn describes how this god promised to make his mother Maia honored on Olympus. This god aided the hero Odysseus against Circe’s magic by gifting him the herb moly. This god wielded a staff with carvings of other gods entwined with two snakes called the *caduceus*. As a baby, this god invented the lyre and used it to reconcile with Apollo after stealing his sacred cattle. For 10 points, name this divine trickster and Greek god of travel and commerce who gifted Perseus a pair of winged sandals.

ANSWER: **Hermes**

17. A book by William Sumner concludes that different groups defined by this concept owe very little to one another. Pierre Bourdieu used differences in cultural capital to define distinctions in this concept. An 1899 book by Thorstein Veblen argued that in modern societies, sports, religion, and the military form the backbone of an economically unproductive example of one of them. The beginning of the *Communist Manifesto* defines the history of society as the history of struggles between these concepts, and divides society into two of them called the bourgeoisie and the proletariat. For 10 points, name these social divisions, the primary focus of Marxist economics.

ANSWER: social **classes** [or social **status**; or socioeconomic **status**; accept **conspicuous consumption** before it is read; prompt on examples of a specific socioeconomic status, such as being **rich** or being **poor**]

18. Ustad Ali Quli was sent by Selim the Grim to aid this ruler, who used him to win the Battle of Khanwa. The first line of this ruler’s autobiography describes his ascension to the throne of Ferghana at twelve years old. In 1992, a mob of more than 100,000 *kar sevaks* tore down a mosque commissioned by this ruler in Ayodhya that was supposedly built atop the birthsite of Rama. This ruler was one of the first users of field artillery, which he utilized to great effect to defeat the Delhi Sultanate, ruled at the time by the Lodi Dynasty, at the 1526 Battle of Panipat. He was succeeded by his son Humayun. For 10 points, name this founder of the Mughal Empire.

ANSWER: Zahir al-Din Muhammad **Babur** [or **Baburnama**; or **Babri** Mosque]

19. At the end of this novel, its protagonist finally begins finishing his dissertation on his ancestor, after he abandoned it during a long period he calls his "Great Sleep." A judge in this novel commits suicide after its protagonist uncovers that he ruined Mortimer Littlepaugh's life. Shortly after its narrator learns that Judge Irwin was his father, he begins an affair with Anne. During this novel, Tiny Duffy tells Adam Stanton about his sister's affair, causing Adam to shoot Jack Burden's employer, who is known as "the Boss." For 10 points, name this novel whose main character, the politician Willie Stark, is loosely based on Huey Long, written by Robert Penn Warren.

ANSWER: *All the King's Men*

20. This particle is the only massless gauge boson that is created by the Higgs mechanism. When one of these particles has an energy greater than 1.022 mega electron volts and is next to a nucleus, it can convert its energy to mass. When this particle is scattered, its change in wavelength is proportional to 1 minus the scattering angle, according to the formula for Compton scattering. These particles, which create electron-positron pairs in pair production, make up X-rays and gamma rays. The photoelectric effect shows how light can be modelled both as waves and as these particles. For 10 points, name this particle that is the quantum of the electromagnetic force.

ANSWER: photon [prompt on "gamma (rays)" before mentioned; prompt on "X ray(s)"]

Tiebreaker. In one essay, this man attacked the notion that he was an "outsider" by saying "Like Paul, I must constantly respond to the Macedonian call for aid." This man contrasted the illegality of the Hungarian Revolution with the legality of the Third Reich in an essay that decries white moderates who are more devoted to "order" than justice. That essay was addressed to the clergymen of the title city and written from Birmingham jail. This man was the first president of the SCLC and delivered the "I've Been to the Mountaintop" speech the night before his death at the Lorraine Motel. For 10 points, name this civil rights leader who was assassinated in Memphis in 1968 by James Earl Ray.

ANSWER: Martin Luther King, Jr. [or MLK]

## Bonuses

1. At the end of one scene in this play, Marco lifts a chair from the very bottom with one hand to show that he is stronger than Eddie. For 10 points each:

[10] Name this play, narrated by the lawyer Alfieri, in which the immigrants Marco and Rodolfo stay with the family of Eddie Carbone.

ANSWER: A **View from the Bridge**

[10] *A View from the Bridge* was written by this Pulitzer-winning American playwright, who depicted the unhappy end of Willy Loman in *Death of a Salesman*.

ANSWER: Arthur **Miller**

[10] This character from *Death of a Salesman* is a former football star who feels pressured to become a businessman like his father Willy. He burns his sneakers after seeing Willy having an affair in Boston.

ANSWER: **Biff** Loman

2. This piece, written in a “Tempo di Mazurka,” features only strings and a triangle, with muted violins playing the heavily chromatic melody. For 10 points each:

[10] Name this piece that depicts an Arabian princess seducing the main character. This piece is the third movement of a suite that draws from some incidental music by the same composer.

ANSWER: **Anitra’s Dance** [or **Anitras Dans**]

[10] *Anitra’s Dance* precedes this final movement of the *Peer Gynt* Suite No. 1. In this movement, bassoons and low string quietly introduce the theme in B minor before the orchestra gradually speeds up and builds to a frenzy.

ANSWER: “**In the Hall of the Mountain King**” [or *I Dovregubbens hall*]

[10] This Norwegian composer of the suite *In Holberg’s Time* drew inspiration from a Henrik Ibsen play to write the *Peer Gynt* suites.

ANSWER: Edvard Hagerup **Grieg**

3. In this situation, two equally skilled players are interrupted in the middle of a game of chance for a certain amount of money. For 10 points each:

[10] Name this classic problem in mathematics which looks for a fair way to divide the winnings between the players based on the score at the time of interruption.

ANSWER: problem of **points** [or **division** of (the) **stakes**]

[10] This mathematician worked with Fermat to solve the problem of points. In his solution, he used his namesake triangle, in which each number is the sum of the two numbers above it.

ANSWER: Blaise **Pascal**

[10] The problem of points led Pascal to develop the beginnings of this concept. For a discrete random variable X, this quantity, denoted “E of X,” is equal to the weighted average of all values with weights based on probability.

ANSWER: **expectation** value [or **expected value**; or **first moment**; prompt on **mean** or **average**]

4. The Stolen Generations were children of these people who were forcibly taken from their families and resettled into white communities. For 10 points each:

[10] Name these indigenous inhabitants of Australia.

ANSWER: **Aborigines** [or **Aboriginal** people]

[10] In this genocidal 19th century war, British settlers nearly wiped out Tasmania’s Aboriginal population. Settlers formed a human chain to corral Aborigines in this war.

ANSWER: **Black** War

[10] Many Aboriginal people worked as traders or guides during these events. The Eureka Stockade rebellion was fought between people who participated in these events and Australian colonial troops.

ANSWER: **gold rushes** [prompt on partial answer]

5. This statement is defined as a “declaration of faith” that is essential for someone who is converting to Islam. For 10 points each:

[10] Name this first pillar of Islam that states, “There is no God but Allah and Muhammad is his messenger.”

ANSWER: **Shahada**

[10] Another pillar of Islam involves observing this practice, known as *sawm*. This practice is observed during times such as Ramadan and is broken before sunrise and after sunset.

ANSWER: **fasting** [or equivalents such as **not eating**]

[10] The Five Pillars of Islam are based off a hadith named for this archangel, who revealed the Quran to Muhammad.

ANSWER: **Gabriel** [or **Jibril**]

6. The reflections of King Philip IV and his wife Mariana of Austria can be seen in a mirror in the background of this painting. For 10 points each:

[10] Name this painting, which shows the Infanta Margarita in the royal court in Madrid, surrounded by her maids of honour. The artist himself can be seen behind an easel with a red cross on his chest.

ANSWER: *Las **Meninas*** [or *The **Ladies-in-Waiting***]

[10] *Las Meninas* was painted by this Spanish Golden Age artist of the *Rokeby Venus*, who created a portrait of Pope Innocent X [“the tenth”] that was adapted by Francis Bacon into his “Screaming Popes” series.

ANSWER: Diego **Velazquez**

[10] Another Velazquez painting depicts the Genoese general Ambrogio Spinola being handed the keys to this city, which his army conquered in 1625.

ANSWER: **Breda** [or *The **Surrender of Breda***]

7. Answer some questions about very tall buildings, for 10 points each.

[10] This building, with a height of over 2000 feet, holds the record for the tallest building in the world. This building, completed in 2010, stands in Dubai.

ANSWER: **Burj Khalifa** [or **Khalifa Tower**; prompt on **Burj Dubai**]

[10] The only other *building* in the world to exceed 2000 feet is located in this non-Tokyo city. That building, completed in 2015, twists 90 degrees from base to top. A supertall World Financial Center also stands in this city.

ANSWER: **Shanghai**

[10] The Willis Tower, formerly known as the Sears tower, is located in this Midwestern city and remained the tallest building in the US from its completion in 1973 until 2014, when the One World Trade Center surpassed it.

ANSWER: **Chicago**

8. Jacob’s ladders can serve as surge protectors for these devices, which come in “step-up” and “step-down” varieties. For 10 points each:

[10] Name these devices, consisting of two or more coils wrapped around a metal core, which transfer energy from their primary to secondary windings.

ANSWER: **transformers**

[10] Transformers use electromagnetic induction to alter this quantity between the two coils. This quantity, the difference in electrical potential between two points on a circuit, is often represented by “delta V.”

ANSWER: **voltage** [prompt on **V** or **E**]

[10] Transformers operate on the principle of this type of inductance. This phenomenon occurs when a change in current in one inductor causes the creation of an emf in another inductor.

ANSWER: **mutual** inductance

9. This man believed that aesthetic contemplation was a way to escape the suffering caused by the will. For 10 points each:

[10] Name this ascetic and pessimistic philosopher who wrote *The World as Will and Representation*.

ANSWER: Arthur **Schopenhauer**

[10] Schopenhauer argued that this discipline was “the purest form of art” since it represented the agitations of the “will itself.” Pythagoras discovered mathematical ratios of 3 to 2 by studying this form of art.

ANSWER: **music**

[10] Schopenhauer wrote a work titled *On the Fourfold Root* of this principle, in which he divided it into four forms. This principle, which is attributed to Leibniz, states that everything must have a cause.

ANSWER: principle of **sufficient reason**

10. For 10 points each, name these Charles Dickens novels which end with someone dying miserably.

[10] In this novel, Little Nell Trent dies after fleeing from the evil dwarfish moneylender Daniel Quilp, who evicts Nell after her grandfather loses all his money playing cards.

ANSWER: *The **Old Curiosity Shop***

[10] The Chancery ward Richard Carstone dies of tuberculosis at the conclusion of the generations-long legal case of *Jarndyce vs Jarndyce* in this other Dickens novel narrated by Esther Summerson.

ANSWER: ***Bleak House***

[10] This Dickens novel is set in both Paris and London, and ends with the death of Sydney Carton by guillotine. It begins with the phrase “It was the best of times, it was the worst of times.”

ANSWER: A ***Tale of Two Cities***

11. Answer some questions about the awful economics of Herbert Hoover’s presidency, for 10 points each:

[10] Hoover has been blamed for his inadequate response to this most severe economic downturn in American history, which began when the stock markets crashed on Black Tuesday.

ANSWER: **Great Depression** [or the **Depression**]

[10] Hoover’s approval of this tariff act exacerbated the Great Depression. This 1930 act raised tariffs to record highs, and was opposed in a petition signed by over a thousand economists.

ANSWER: **Hawley-Smoot** Tariff Act [or the **Smoot-Hawley** Tariff]

[10] This march of thousands of disgruntled veterans demanding the payment of their pension assembled on Anacostia Flats in Washington, D.C., only for Hoover to order them to be driven out with military force.

ANSWER: **Bonus Army**

12. For 10 points each, answer the following about Yggdrasil, the world tree which connects the nine worlds of the universe together in Norse cosmology:

[10] This chief god of the Norse pantheon hangs himself on Yggdrasil in order to learn the runes carved onto its bark by the Norns.

ANSWER: **Odin** [or **Wotan**]

[10] This serpent-dragon gnaws constantly at the roots of Yggdrasil in order to pull the world back into chaos. This dragon sends messages to an eagle at the top of Yggdrasil through the squirrel Ratatosk.

ANSWER: **Nidhogg**

[10] At Ragnarok, Nidhogg will emerge in order to join these beings in battle. These beings reside in a world on Yggdrasil ruled by Utgard-Loki.

ANSWER: **giants** [or **jotunn**; or frost **giants**]

13. This author reimagined the Ten Commandments in “The Artist’s Decalogue.” For 10 points each:

[10] Name this poet of *Desolación* who memorialized Romelio Ureta in a set of three *Sonnets of Death*.

ANSWER: Gabriela **Mistral**

[10] This other poet credited Mistral with introducing him to Russian literature. This poet wrote a poem that begins “Tonight I can write the saddest lines” as part of the collection *Twenty Love Poems and a Song of Despair*.

ANSWER: Pablo **Neruda**

[10] Mistral and Neruda are from this country. Another author from this country, Roberto Bolaño, wrote the very long novel *2666*.

ANSWER: **Chile**

14. This physical process can be modelled using the Brunauer-Emmett-Teller, or BET, isotherm. For 10 points each:  
[10] Name this process where molecules bind to and form a film on a solid surface. The physical form of this process is caused by weak van der Waals interactions between a molecule and the surface.

ANSWER: **adsorption** [or physical **adsorption** or **physisorption**; do not accept “absorption”]

[10] This pioneer of surface science names the first isotherm developed to model adsorption, which assumes that adsorbates behave as an ideal gas, all sites on a surface are equivalent and that only a monolayer can form.

ANSWER: Irving **Langmuir**

[10] The Langmuir isotherm states that the coverage of a surface is proportional to the partial form of this quantity for the adsorbate. Boyle’s law states that this quantity for a gas is inversely proportional to the volume of its container.

ANSWER: **pressure** [or partial **pressure**; prompt on P]

15. Answer the following about questionable fashion decisions from African dictators, for 10 points each:

[10] This man, whose toothbrush mustache only covers the philtrum of his nose, was a leader in the war against Ian Smith’s Rhodesian government. His defeats of rival politician Morgan Tsvangirai have been tinged with corruption.

ANSWER: Robert **Mugabe**

[10] Mobutu Sese Seko, who always wore a leopard-skin hat, ruled this country for over thirty years, during which time it was named Zaire. It was earlier the private colony of Belgium’s Leopold II.

ANSWER: **Democratic Republic of the Congo** [or **DRC**; prompt on the Congo]

[10] This leader of the Central African Republic declared himself emperor in an over-the-top coronation ceremony featuring a jewel-encrusted robe that bankrupted his country. He overthrew, then was overthrown by, David Dacko.

ANSWER: Jean-Bedel **Bokassa**

16. In *The Chrysanthemum and the Sword*, Ruth Benedict uses this country as an example of a “shame culture.” For 10 points each:

[10] Name this Asian country. Benedict was unable to perform field research here for *The Chrysanthemum and the Sword* because of the outbreak of World War II.

ANSWER: **Japan**

[10] Benedict contrasted shame cultures, such as Japan, with cultures of this type, exemplified by the United States. In these cultures, actions are driven by an internal conscience rather than external approval or disapproval.

ANSWER: **guilt** cultures

[10] This practice is the ultimate method of enforcement in shame cultures. Its English name comes from the pieces of pottery that were used in this practice in Ancient Greece.

ANSWER: **ostracism** [prompt on exile]

17. A character in this author’s oldest surviving play holds a basket of charcoal hostage from the chorus. For 10 points each:

[10] Name this Greek playwright, who wrote about Dikaiopolis, who agrees to a private peace treaty with the Spartans, in *The Acharnians*.

ANSWER: **Aristophanes**

[10] Aristophanes is sometimes called “the father” of this genre of theater, which is often contrasted with tragedy.

ANSWER: **comedy**

[10] In this Aristophanes play, the main character attempts to bring Euripides back from the dead. During their only scene, this play’s title animals repeat the line “Brekekekèx-koàx-koàx.”

ANSWER: *The* **Frogs**



18. For 10 points each, answer the following about places with unusual languages:

[10] Residents of this island developed a unique form of sign language due to the high incidence of deafness among its natives. This island south of Cape Cod is a popular summer retreat for the wealthy.

ANSWER: **Martha's Vineyard**

[10] This country's official languages include Sotho, Xhosa, and Zulu, which all have unusual click consonants. This country's other official languages include English and Afrikaans, the native language of its Boers.

ANSWER: **South Africa** [or Republic of **South Africa**]

[10] Guanche natives of La Gomera, one of the islands in this archipelago, developed a whistling language to carry it across the island's mountainous terrain. The worst air disaster in history occurred on Tenerife in this archipelago.

ANSWER: **Canary** Islands

19. This organ contains muscle cells known as myocytes. For 10 points each:

[10] Name this organ that pumps blood through the circulatory system. Cells in this organ's sinoatrial node make up its natural pacemaker.

ANSWER: **heart**

[10] This double-walled sac contains the heart and its surrounding fluids. Its inner wall is known as the epicardium, and its name means "around the heart."

ANSWER: **pericardium**

[10] In this technique, electrical activity in the heart is measured by placing 12 electrodes on a patient's chest and limbs. It can be used to measure cardiac arrhythmias.

ANSWER: **ECG** [or **EKG**; or **electrocardiography**; or **electrocardiogram**]

20. One man with this surname was known as "the Great Commoner." For 10 points each:

[10] Give this surname of two British Prime Ministers. The younger of the two became the youngest Prime Minister ever at the age of 24, and led Britain while the French Revolution occurred.

ANSWER: **Pitt** [or William **Pitt** the Elder; or William **Pitt** the Younger]

[10] Pitt the Younger came into power after defeating a coalition between Charles James Fox and this man, who has been blamed by historians for losing the American War of Independence.

ANSWER: Frederick North, Lord **North**

[10] Both Pitts and Lord North served under this king, the target of the Declaration of Independence. His mental issues may have stemmed from his porphyria.

ANSWER: **George III** [prompt on **George**]