

ACF Regionals 2016: Ben There, Didn't Do That

Edited by John Lawrence, Chris Ray, Max Schindler, and Itamar Naveh-Benjamin

Packet by Editors 2

TOSSUPS:

1. After this city's alliance with Arnulf the Bad crumbled, Henry the Fowler attacked it, precipitating a fratricide that prompted the murderer to name his son Strachkvas, or "Dread Feast." This non-Polish city was ruled by Boleslav the Cruel and later by the House of Luxembourg, whose founder John II led a fatal charge at Crecy despite having been blind for a decade. This seat of power for the Premyslid dynasty was ruled by James I's son-in-law, Frederick V, known as the "Winter King" for a short reign that ended after the Battle of White Mountain. That clash was instigated after three representatives of Ferdinand II's counter-reformation were thrown out of window in this city. For 10 points, name this capital of medieval Bohemia and the modern Czech Republic.

ANSWER: Prague

2. Scientists at McMurdo Station love collecting crystals of one type of these minerals named for Mount Erebus. Anders Celsius, the namesake of the temperature scale, names an unusual barium-containing member of this class of minerals. Despite not containing copper, one of these minerals is bright green; that one was named for its discovery in the Amazon river and is a type of microcline. Moon rocks have an abnormally large concentration of another type of them called anorthite. One type of these minerals makes up the continuous branch of Bowen's reaction series, and another is located at the junction of the continuous and discontinuous branches. That latter type of this mineral defines 6 on the Mohs hardness scale. For 10 points, identify these incredibly common tectosilicates that have plagioclase and orthoclase varieties.

ANSWER: feldspars [accept any answer with adjectives preceding feldspar, prompt on tectosilicates, prompt on aluminosilicates, anti-prompt on specific feldspars like anorthoclase or plagioclase]

3. A story by this author ends with the protagonist lamenting "O God, show me the enemy" during the wedding of his brother, who abandoned an aeronautical engineering degree. In a novel by him, the protagonist's son is bitten by a swarm of winged ants that invade the house during a storm. This author of "Tell Me Who to Kill" created a protagonist who spends a month's salary on a dollhouse for his daughter, which is destroyed by his wife because it makes the other children jealous. The King is killed in the Southern Collectorate through which Bobby and Linda travel in his novella *In a Free State*. One of his title characters longs for independence from his wife Shama and the Tulsi family, into which he has married. For 10 points, name this Trinidadian author of *A House for Mr. Biswas*.

ANSWER: Sir V(idiadhara) S(urajprasad) Naipaul

4. This philosopher argued that just as eyes are colorless so that they may understand colors, the mind is immaterial so as to understand materiality. John Haldane and Anthony Kenny are leaders of a movement that attempts to fuse this man's thought with analytic philosophy. He used the example of healthy urine vs. healthy bodies to distinguish between forms of "analogical predication." Building on Avicenna, this philosopher claimed that essence is dependent on but not synonymous with existence, except in the case of God. A work divided into three parts and 512 questions includes the degrees of perfection and the argument from prime motion as two of his Five Ways to prove the existence of God. For 10 points, name this Catholic scholastic philosopher of the *Summa theologica*.

ANSWER: St. Thomas Aquinas [or Tommaso d'Aquino]

5. Vaughan Williams' symphony of this number closes with a passacaglia that reuses music from his opera *The Pilgrim's Progress*. In Schenkerian analysis, scale degree 2 in the Urlinie ["UR-lih-nee-uh"] is preferably supported by this scale degree in the bass of the Ursatz. The second movement of Beethoven's symphony of this number has alternating sections in A-flat major and C major. A cadential 6/4 ["six four"] chord has this scale degree in the bass. Beethoven's Sixth Symphony has this many movements. A symphony of this number subtitled "A Soviet Artist's Response to Justified Criticism" was written by Dmitri Shostakovich. For 10 points, name this number of the Beethoven symphony that opens with the short-short-short-long "Fate knocking at the door" motive.

ANSWER: 5

6. $f_0(1710)$ ["f sub zero seventeen-ten"] might be a group of these particles predicted by the Standard Model. The spin of these particles can be found by measuring the Ellis-Karliner angle. These are the lightest of the particles found in the fireball created in LHC collisions of two lead nuclei. The TASSO experiment detected evidence for these particles in three-jet events. These particles are depicted on Feynman diagrams with a spiraling line. They are the massless particles found in a substance that exists when high energies deconfine the components of hadrons. That substance is a soupy plasma named for them and quarks. For ten points, name these gauge bosons that hold nuclei together by carrying the color charge of the strong force.

ANSWER: gluons

7. One painting by this artist was reworked to show two people instead of one, in a version by Nicolai Abildgaard. In one of his paintings, a bug-eyed woman with a red-ribboned bonnet sits on a rock, while her black cape is blown by the furious wind. Over an eight-year period, he made 47 paintings based on *Paradise Lost* for his "Milton Gallery". When this artist of *Mad Kate* became a professor of the Royal Academy instead of Joseph Bonomi in 1790, Sir Joshua Reynolds resigned in protest. A tiny man with outstretched arms stands in the palm of a Shakespearean character with a donkey's head in his *Titania and Bottom*. In a painting by him, a horse's head pokes through curtains and an incubus sits on a sleeping woman. For 10 points, name this Swiss-born painter of *The Nightmare*.

ANSWER: Henry Fuseli [or Johann Heinrich Fuseli]

8. This effort was preceded by an agreement by one statesman to transfer power to Seewoosagur Ramgoolam in Port Louis. That statesman's recent switch from a black Mercedes to a white exposed a ruse that almost derailed this action. This effort led to the assassination of a neighboring country's Agriculture minister, Bruce MacKenzie. Dora Bloch was murdered in her hospital bed after this action, which claimed the lives of Wilfried Bose and Brigitte Kuhlmann, members of the Revolutionary Cells. Officially called Operation Thunderbolt, it is sometimes also known by the name of the Sayeret Matkal officer who was killed while leading it, Jonathan Netanyahu. For 10 points, identify this 1976 Israeli operation that freed 102 passengers of Air France Flight 139 being held hostage at a Ugandan airport.

ANSWER: The Entebbe Raid [Operation Entebbe; accept Operation Jonathan or Operation Thunderbolt before mentioned]

9. A character in this play is roundly mocked for proposing to serve rich dishes like pork in prune sauce on his dinner menu. When one character in this play bemoans having her bureau broken into, her son mocks her by repeating the phrase: "I can bear witness to that." One character in this play is offended when another character repeatedly interrupts his anecdote about the Duke of Marlborough to ask if he could make them punch to drink. In this play, the Three Pigeons alehouse is frequented by Tony Lumpkin, who aids George Hastings in eloping with Tony's cousin Constance Neville, and tricks the protagonist into thinking that the Hardcastles' home is a tavern. For 10 points, Kate pretends to be a barmaid to overcome Charles Marlow's shyness in what play by Oliver Goldsmith?

ANSWER: *She Stoops to Conquer*

10. One book by this thinker claims that a “percolation pipeline” in the brain must be blocked in cases where irregular plurals are overridden by general rules, such as when we say “still-lives” instead of “still-lives.” He argued that inequality, imperfectability, determinism, and nihilism are the four “fears” that motivate undervaluing the degree to which genes determine personality. Though not Gilbert Ryle, this author of *Words and Rules* wrote a book attacking the ghost in the machine, the noble savage, and the title doctrine of *tabula rasa* as three harmful views of human nature. A book by him provides an evolutionary explanation for an innate human capacity for language. For 10 points, name this Harvard cognitive scientist who wrote *The Blank Slate* and *The Language Instinct*.

ANSWER: Steven (Arthur) Pinker

11. The narrator of the novel in which he appears muses that this character will “drift on forever seeking...for the dramatic turbulence of some irrecoverable football game.” This character is annoyed to be called “hulking” by his wife and to be referred to at a party as “the polo player.” Shortly before marrying this man, this character’s wife gets drunk for the first time and tries to give away a pearl necklace. This character breaks his mistress’ nose when she begins shouting his wife’s name. He recommends the narrator read Goddard’s racist book *The Rise of the Colored Empires*. He accuses another of acquiring his fortune through bootlegging, setting off a chain of events that leads to his mistress Myrtle Wilson being run over. For 10 points, identify this husband of Daisy in *The Great Gatsby*.

ANSWER: Tom Buchanan [accept either]

12. The bounty on one of these creatures’ heads was the hand of Euaechme in marriage. That creature’s eventual killer was made king of Megara and received aid from Apollo in restoring the city’s walls. Idmon and Aristaeus were conceived after Apollo saw their mother Cyrene wrestling one of these creatures. Molorchus promised to sacrifice a ram if another of these creatures was slain within thirty days. That creature of this type was defeated when its eventual slayer blocked off one entrance to its cave, and then stunned it with a powerful swing of his club. After slaying that animal of this type, its killer fashioned its impenetrable hide into a cloak and returned to the court of Eurystheus for eleven more tasks. For 10 points, name this type of animal killed by Heracles just outside of Nemea.

ANSWER: lions [accept the “Cithaeronian lion” or the “Nemean lion”]

13. NOTE: either taxonomic name or common name is acceptable.

In 2013, it was discovered that one of these organisms butting their head into another and shaking was a sign of danger, not begging for food. Members of this genus are often killed if they “drift” to the home of another after a day of foraging. The *cerana* species of these organisms is the usual host of the *Nosema* parasite. Consumption of ethanol leads to a greater amount of trembling in these organisms. Cross-breeding between subspecies within this genus produced a very aggressive “Africanized” hybrid. Karl von Frisch won the 1973 Nobel for deciphering the waggle dance used by them. These flying creatures belong to the genus *Apis*, a subset of the order Hymenoptera. For 10 points, identify these organisms that help with pollination and produce wax and honey.

ANSWER: honeybees [accept Apis before mentioned, don’t accept any other type of bees since the clues are all about honeybees]

14. One man with this surname worked with Virginia Gildersleeve to found the American Friends of the Middle East, and wrote a surprising tell-all that may have fabricated his role in bribing protesters from the Tudeh party. A woman with this surname campaigned tirelessly to unseat her own husband, Ohio congressman Nick Longworth, whom she then cuckolded with William Borah. That woman memorably rebuked Joseph McCarthy for using her first name, noting that “the truckman [and] the trashman ... may call me Alice, but you may not.” This name was borne by Kermit, who oversaw Operation Ajax in Iran, and by a president who relied on Rexford Tugwell and Harold Ickes as part of the Brain Trust. For 10 points, give this surname of first lady Eleanor and presidents Theodore and Franklin.

ANSWER: Roosevelt

15. A leader of this state's jazz movement recorded the album *Martians Come Back!*. During the 1930's and 40's, the hub of this state's jazz scene was the Dunbar Hotel. A jazz version of *My Fair Lady* was led by a drummer based in this state, and featured Leroy Vinnegar on bass and André Previn on piano. Norman Granz's Jazz at the Philharmonic concerts were in this state that was the center of Conrad Salinger's musical career. Dmitri Tiomkin's American career was based in this state, whose jazz pioneers included Shelly Manne and Shorty Rogers. A song about this state says: "The morning fog may chill the air. I don't care;" that signature song of Tony Bennett says "I Left My Heart in" a city in this state. For 10 points, what state was home to the "West Coast Jazz" movement?

ANSWER: **California**

16. A quartic function of the acentric factor denoted by this letter is used in the Soave equation. One quantity denoted by this letter multiplies temperature in the formula for the Joule-Thomson coefficient, and is equal to one-over-V times dV/dT. Enolates are formed instead of the desired disproportionation if the starting aldehyde has a hydrogen in this position in the Cannizzaro reaction. An organozinc catalyzes the addition of carbonyls to haloesters described by this letter in the Reformatsky reaction. This letter corresponding to the coefficient of thermal expansion can also denote the carbon closest to a given functional group. This letter names the mechanism by which uranium-236 decays into thorium. For 10 points, identify this Greek letter, which can be used to refer to a helium-4 nucleus.

ANSWER: **alpha** [accept longer answers like **alpha** carbon or **alpha** particle]

17. The Tasfir of Ibn Kathir claims that the Verses of Refuge left Muhammad with nothing to fear from this phenomenon, whether from the Djinn or mankind. Romans employed divine penis-shaped objects called Fascinum in response to this phenomenon.. Belief in this phenomenon is responsible for the popularity of glass *nazar* beads in Turkey. Many reactions to it involve the number 5, perhaps in reference to the five fingers on a hand held up to the face. That image inspired the Hamsa, the most common ward used against this phenomenon. The target of numerous protective talismans around the Mediterranean, for 10 points, name this cross-cultural superstition in which people direct envy and ill-intent by leveling the namesake malevolent gaze.

ANSWER: The **Evil Eye** [accept **envy** or equivalents before mentioned]

18. A work about this figure begins by noting that all men strive "not to pass through life in obscurity," since they desire "to excel other animals." That work describes an incident in which this man supposedly mutilated Gratidianus and then carried his head through the street to Sulla. This man was asked when he would "cease abusing our patience" in an address delivered in the Temple of Jupiter Stator in the wake of his alliance with Gaius Cethegus and Sura. During this politician's early career, he was put on trial for defiling a vestal virgin and, later, for abusing his governorship in Africa. This man died at Pistoria after letters sent to the Allobrogian Gauls were intercepted at Milvian Bridge. That action led his schemes to be dramatically exposed by Cicero. For 10 points, identify this namesake of a 63 BC "conspiracy" against the Roman Republic.

ANSWER: **Catiline** [or Lucius Sergius **Catalina**]

19. When a disgruntled officer in this city took a bus hostage in 2010, police taunted him by arresting his brother on television, somewhat predictably prompting him to begin killing hostages. This site of the Conspiracy of the Maharlikas was long led by anti-crime mayor Fred "Dirty Harry" Lim, and was used as a colonial capital by Miguel de Legazpi. Andres de Urdaneta discovered a route east from this city, which received silver from Potosi and Acapulco as the center of Spain's Pacific trade empire aboard namesake "Galleons." This city on the Pasig River was the site of demonstrations during the People Power Revolution, which overthrew Ferdinand Marcos. For 10 points, name this largest city on Luzon, the capital of the Philippines.

ANSWER: **Manila**

20. In this author's version of the legend of the courtesan Thaïs ["THEY-iss"], her ultimate fate is to drown in excrement. In a work by this author, the emperors Trajan and Constantine become part of an eagle that resides on the planet Jupiter. Reading the legend of Lancelot and Guinevere inspires two of his characters to have an adulterous affair. A troubadour explains the rule that climbing must cease after sunset on a seven-terraced mountain created by this author. One of his works begins: "Midway on our life's journey, I found myself / in dark woods." In that work, this author is given a tour of Heaven by his beloved Beatrice, and is guided by Virgil through the Nine Circles of Hell. For 10 points, name this Tuscan poet who included the *Inferno* in his *Divine Comedy*.

ANSWER: Dante [or Durante degli Alighieri]

BONUSES:

1. In this play, The Actor considers treatment for his alcohol poisoning and Vaska Pepel considers running away with Natasha. For 10 points each:

[10] Name this play about the downtrodden denizens of Kostyloff and Vasilissa's slum apartment by Maxim Gorky.

ANSWER: *The Lower Depths* [or *Na dne*]

[10] Maxim Gorky's *The Lower Depths* was premiered by this Russian theatre company, co-founded by Konstantin Stanislavski, who used it to showcase his acting method.

ANSWER: Moscow Arts Theatre [or MXAT; or MHAT; or Moskovskiy Hudojestvenny Akademicheskij Teatr]

[10] The great coup of the Moscow Arts Theatre's first season was its revival of this Chekhov play in which Constantine Treplev shoots the title bird.

ANSWER: *The Seagull* [or *Chayka*]

2. A "hit" occurs in these structures when the requested data is found. For 10 points each:

[10] Identify these computer components that store frequently-accessed data so that they can be called faster.

ANSWER: caches

[10] Each block of a write-back cache has an associated one of these entities, which changes when the memory within the block is modified without being saved. When the data is eventually written to storage, this bit will toggle back.

ANSWER: dirty bit

[10] Caches can be used in this process of storing the results of functions. In dynamic programming, this process saves the results of subproblems, making it really easy to, for example, calculate the nth Fibonacci number.

ANSWER: memoization [accept word forms]

3. After its 1987 publication, this book became infamous for attacking rock music for selling an image of life as "a nonstop commercially prepackaged masturbation fantasy." For 10 points each:

[10] Name this book that Camille Paglia described as "the opening shot of the culture wars." It claims that the "openness" of cultural relativism has, ironically, led to the title destruction of students' capacity for education.

ANSWER: *The Closing of the American Mind*

[10] *The Closing of the American Mind* is by a political scientist with first name Allan and this last name. Another scholar with this last name wrote *The Anxiety of Influence* and defended "Great Books" in *The Western Canon*.

ANSWER: Bloom

[10] *The Closing of the American Mind* was frequently compared with the book *Cultural Literacy* by this American critic. He revived the intentionalist account of textual meaning in his book *Validity in Interpretation*.

ANSWER: E(ric) D(onald) Hirsch, Jr.

4. A politician with this last name earned the epithet “Clemency” by resisting calls for retribution while serving as Governor General of India during the Sepoy Rebellion. For 10 points each:

[10] Give this name also held by that man’s father, who dealt with Denmark’s neutrality crisis as foreign secretary but saw his hopes of succeeding the Duke of Portland dashed.

ANSWER: Canning

[10] George Canning had those hopes dashed after bizarrely agreeing to duel his longtime rival, Lord Castlereagh, who went on to represent Britain at this 1812 “concert of Europe.”

ANSWER: The Congress of Vienna

[10] One of George Canning’s major disciples, William Huskisson, is best remembered today for being fatally mutilated by *Rocket*, one of the first of these devices. It had been designed by George Stephenson, who popularized their commercial use in England.

ANSWER: A steam locomotive [or a train; prompt on just a “steam engine”]

5. The student song “Gaudeamus Igitur” closes a piece that this composer wrote as a thank-you present for the University of Breslau. For 10 points each:

[10] Name this 19th-century German composer of the *Academic Festival Overture*, who wrote a famous “Wiegenlied” or “lullaby.”

ANSWER: Johannes Brahms

[10] Although Brahms was most likely an atheist, he set excerpts from the Luther Bible in this seven-movement sacred work for chorus and orchestra.

ANSWER: A German Requiem, *To Words of the Holy Scripture* [or Ein deutsches Requiem, *nach Worten der Heiligen Schrift*]

[10] This pianist and staunch advocate of Brahms’ music gave the premiere of Brahms’ Piano Concerto No. 1 and his “Werther” Piano Quartet, and is possibly depicted by the opening theme of the latter piece.

ANSWER: Clara Wieck Schumann [prompt on “Schumann”; or Clara Wieck]

6. These two people name a set of three equations that give collector, base, and effect currents as linear combinations of exponentials times saturation currents. For 10 points each:

[10] Identify these two people, whose namesake equations must be modified when the base width changes in the Early effect.

ANSWER: Jewell Ebers and John Moll [accept Ebers-Moll model/equations]

[10] The Ebers-Moll equations apply to the bipolar junction type of these devices, which, unlike their field-effect type use both electrons and holes. These devices act as amplifiers and switches in a namesake type of radio.

ANSWER: transistors

[10] This inventor of the transistor lends his name to a Semiconductor Laboratory active in the early days of Silicon Valley. The “Traitorous Eight” left his company to work at one named for Sherman Fairchild.

ANSWER: William Bradford Shockley

7. Answer these questions about arcology, for 10 points each:

[10] Paolo Soleri built the earthwork-inspired arcology of Arcosanti in this state. A nearly acoustically-perfect hexagonal cabaret theater can be found in this state, in a building that features a sunken garden surrounded by sloping plastic-covered roofing to permit only horizontal light flow.

ANSWER: Arizona [the building is Taliesin West]

[10] A 2011 proposal called for a futuristic arcological megastucture in the shape of a pyramid emerging from the Mississippi in this city. As it still lacks the money to rebuild countless homes after Katrina, residents did not care.

ANSWER: New Orleans

[10] Abu Dhabi's planned arcological city of Masdar is being overseen by this man's firm, which built the Khan Shatyr Center and Palace of Peace and Reconciliation in Astana. His trademark glass dome work can be seen in Berlin's Reichstag.

ANSWER: Norman Foster

8. In Chapter 2 of Hermann Hesse's *Demian*, the title character explains to Emil Sinclair an alternate interpretation of this tale, after they attend a school lecture on it. For 10 points each.

[10] Name this Biblical tale. In another novel, several characters discuss the meaning of the word "timshel" in this tale.

ANSWER: Cain and Abel [accept names in either order; accept Cain's Curse; the Mark of Cain; and obvious equivalents to those two; prompt on *Book of Genesis*]

[10] This Portuguese author's final novel is narrated by the biblical Cain. He is better known for a novel in which the doctor's wife is unaffected by an epidemic of blindness.

ANSWER: José Saramago

[10] This member of the Spanish Generation of '98 adapted the Cain and Abel story into a novel called *Abel Sanchez*. He argued that "reason is the enemy of life" in his philosophical masterpiece, *The Tragic Sense of Life*.

ANSWER: Miguel de Unamuno

9. The Black Flags and other remnants of this conflict destructively wandered southward in the Haw Wars, where they were mistaken for rampaging Muslims. For 10 points each:

[10] Identify this conflict driven by a former student of Baptist preacher Issachar Jacox Roberts.

ANSWER: Taiping Rebellion

[10] Hong Xiuquan, the instigator of the Taiping rebellion, believed himself to be the younger brother of this early dissident with strong socialist tendencies.

ANSWER: Jesus Christ [either name; or Jesus of Nazareth, etc.]

[10] Zeng Guofan finally put down the Taiping rebellion at a horrendously bloody battle around this city. It was later the site of notable Japanese atrocities during World War II.

ANSWER: Nanking [or Nanjing]

10. In one story, this figure gets tired of Aeneas' shit and tells him to get off his mat. For 10 points each:

[10] Identify this man, who immediately thereafter tells Tabitha, whose name is sometimes rendered as Dorcas, to wake up from the dead.

ANSWER: Saint Peter

[10] Peter is traditionally considered to be the first person to have held this post. His term ended when he was crucified upside down, unlike Benedict XVI, whose term ended when he resigned in 2013.

ANSWER: Pope [or Bishop of Rome]

[10] The only surviving record from this second Pope was a decree that women should keep their heads covered while praying. He was martyred in 73 AD.

ANSWER: Pope Linus

11. Pierre de Lancre oversaw campaigns against these people at Labourd and Logroño that executed numerous Basque followers of Mari. For 10 points each:

[10] Identify this kind of individual, also the subject of a handbook by Heinrich Kramer and Jacob Sprenger.

ANSWER: **Witches**

[10] de Lancre was dispatched by this many-mistressed French king, a Protestant who defeated the houses of Valois and Guise in the War of the 3 Henries.

ANSWER: **Henry IV** [or **Henry III of Navarre**]

[10] Jacques Fournier, the future Pope Benedict XII, oversaw a French inquisition in this other town, the subject of a famous work of microhistory by Emmanuel Le Roy Ladurie.

ANSWER: **Montaillou**

12. One of these poems declares: “Love is not love / Which alters when it alteration finds”, and begins: “Let me not to the marriage of true minds / Admit impediments”. For 10 points each:

[10] Name these 14-line poems, the 130th of which begins: “My mistress’ eyes are nothing like the sun.”

ANSWER: William **Shakespeare’s sonnets** [prompt on partial answer like “sonnets” or “Shakespeare poems”; accept equivalents like “**sonnets** by **Shakespeare**”]

[10] Shakespeare’s 55th sonnet claims that neither of these two items “shall outlive this powerful rhyme,” and will both be “besmear’d with sluttish time.”

ANSWER: “Not **marble**, nor the **gilded monuments** / Of princes...” [accept in either order; prompt on “monuments” for the second one]

[10] Shakespeare’s Sonnet 18—“Shall I compare thee to a summer’s day”—ends with this phrase. The previous line reads: “So long as men can breathe or eyes can see.” You may say the whole next line, or just its last five words.

ANSWER: “So long lives this, and **this gives life to thee**”

13. In one episode of this show, the protagonist uses an extra ticket to bring an attractive waitress to a secret concert, but has to escape after she loudly ponders blowing a random stranger and then steals someone’s jacket. For 10 points each:

[10] Name this 2015 show that centers on Dev, an actor in New York.

ANSWER: **Master of None**

[10] *Master of None* was created by and stars this Indian-American stand-up comic, who played Tom Haverford on *Parks and Recreation*.

ANSWER: Aziz **Ansari**

[10] Dev’s most significant role in *Master of None* is as a doctor in *The Sickening*, a “black virus movie” that stars this artist as a corrupt senator. Other fictional roles for this artist behind “Outlaw” and “Ghetto Qur’an” include the Sky Marshall in *Soul Plane 2: The Black-jacking*.

ANSWER: **50 Cent** [or Curtis **Jackson**]

14. In a bizarre story, this figure and his entire family were crushed to death by a buffalo’s head tossed at them by a conniving porcupine. For 10 points each:

[10] Identify this canine trickster figure of many indigenous North American peoples. By several accounts, he created mankind by rolling a ball of mud.

ANSWER: **Coyote**

[10] Coyote once killed an enormous monster from the inside-out, releasing the various animals the monster had eaten. In that tale, the blood that dripped from Coyote’s paws created the men and women of this tribe.

ANSWER: **Nez Perce**

[10] A different story explains that Coyote helped create this feature of the night sky by erratically throwing into the air stars of different brightnesses. The Inca viewed this feature as the spilled contents of Ilyapa’s water jug.

ANSWER: the **Milky Way** [or equivalents indicating it is **our galaxy**]

15. Organisms in this kingdom can poke through just about anything by forming an appressorium. For 10 points each:

[10] Identify this kingdom. Organisms within it often form mutualistic associations with plants called mycorrhizae.

ANSWER: **Fungi** [or **fungus**]

[10] Fungi usually form these weblike structures, a cluster of which is called a mycelium.

ANSWER: **hyphae**

[10] These plant hormones induce branching in fungi to increase the functionality of mycorrhizae. They are named for their discovery in the parasitic witchweed.

ANSWER: **strigolactones** [the genus name of witchweed is *Striga*]

16. This artist's painting *Rideau, Cruchon, et Comptoir* is the most expensive still life painting of all time. For 10 points each:

[10] Name this artist, who painted over forty portraits of his model-turned-wife Hortense Fiquet and many landscapes of his father's farm at Jas de Bouffan.

ANSWER: Paul **Cézanne**

[10] Cézanne made an extended series of oil paintings of Sante-Victoire, one of these geographical features in Aix-en-Provence.

ANSWER: **mountain** [or **montagne**]

[10] Early in his career, Cézanne was mentored by this father figure to the Neo-Impressionists, known for his many landscapes of the towns of Pontoise and Louveciennes and his paintings of Boulevard Montmartre in Paris.

ANSWER: Camille **Pissarro**

17. Answer these questions about two frequent partners in history, death and steamboats, for 10 points each:

[10] Joseph Throckmorton's steamboat *Warrior* blatantly ignored a flag of surrender, perpetrating the Bad Axe Massacre during this war that also include the Battle of Stillman's Run.

ANSWER: **Black Hawk** War

[10] The greatest maritime disaster in U.S. history took place in 1865, when 1800 people were killed in the explosion of this steamship, which had been carrying former Union POWs up the Mississippi.

ANSWER: **Sultana**

[10] Various incidents like "Pirate Bill" Johnston's attack on the *Robert Peel* and the Battle of the Windmill erupted after a raid on the *SS Caroline* inflamed tensions between the U.S. and this country over Canadian territory.

ANSWER: Great **Britain** [or **England**, **U.K.**, etc.]

18. This phenomenon can occur if there are no nucleation sites. For 10 points each:

[10] Identify this phenomenon, in which a liquid can exceed its boiling point without vaporizing because no bubbles are able to form.

ANSWER: **superheating** [or **boiling retardation**]

[10] If the opposite process, supercooling, is done quickly enough, vitrification can occur, where a fluid cools so fast it passes this point. Vitrifying water past this point produces amorphous ice.

ANSWER: **glass transition** temperature

[10] Because ice crystals don't form, vitrification is one method of performing this technique. This technique is done to bodies of humans who hope future technology will be able to revive them.

ANSWER: **cryopreservation** [accept word forms, accept basically answer with "cryo" at the front, like **cryogenic** freezing or **cryonics**]

19. Gaston Bachelard argued that the conscious perception of this phenomena should be understood in the unit of the “instant”. For 10 points each:

[10] Name this phenomenon that J.M.E. McTaggart argued is “unreal”, due to paradoxes created by notions of past, present, and future.

ANSWER: **time**

[10] This philosopher described the experience of time as a qualitative sense of “duration”, without spatialization or juxtaposition of events. He articulated some of those views in an infamous 1922 debate with Albert Einstein.

ANSWER: Henri **Bergson**

[10] One of the works in which Bergson’s theory of time as duration appears is this 1907 book, which argues that a force called *élan vital* fuels the development of organisms.

ANSWER: **Creative Evolution** [or **L’Évolution créatrice**]

20. This work is narrated by the son of a hotel inspector for the Austrian Tourist Bureau, who encounters a Hungarian circus troupe, including a unicycling bear, while visiting the title establishment. For 10 points each:

[10] Name this fictional novella that is written by the protagonist of a 1978 American novel.

ANSWER: *The* **Pension Grillparzer**

[10] *The Pension Grillparzer* appears in *The World According to Garp*, a novel by this modern American writer of *A Prayer for Owen Meany*.

ANSWER: John (Winslow) **Irving** [or John Wallace **Blunt**, Jr.]

[10] Homer Wells leaves Dr. Wilbur Larch’s orphanage and obstetrics clinic to work on Wally Worthington’s orchard in this other novel by John Irving.

ANSWER: *The* **Cider House Rules**