

Bulldog High School Academic Tournament XXI (2012): Oh God, Not the Spider Cows!

Written by Yale Student Academic Competitions

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Round 8 Tossups

1. In one work by this man, Anna tells Deeley, “You have a wonderful casserole... I mean wife,” while that wife, Kate, later says to Anna, “I remember you dead.” In another play by this playwright of *Old Times*, Davies hopes to retrieve his identity papers in Sidcup and take the title job. One play by this man depicts the affair between Jerry and Emma told in nine scenes that go backwards in time. Another play by this author of *Betrayal* features the hitmen Gus and Ben, who are distracted by food orders carried in the title object. For 10 points, name this British playwright, of works like *The Caretaker* and *The Dumb Waiter*.

ANSWER: Harold Pinter [accept David Baron] <SJW>

2. This device’s data output, measured in inverse femtobarns, exceeds any other device of its kind. It’s not RHIC, but one substance created by this device is described by QCD at high temperature and density. The final injector for this device is the SPS. This device is believed capable of detecting particles such as neutralinos, which arise in supersymmetric theories. A toroidal apparatus in this device is being used to search for the last unknown Standard Model particle, which gives mass to all the other particles. For 10 points, name this particle accelerator in Switzerland and France built by CERN, which is looking for, among other things, the Higgs boson.

ANSWER: Large Hadron Collider [or LHC] <DStobierski/AS>

3. This figure argued that finite man is the “very center-point” between nothingness and infinity. He ended one note with verse 16 of Psalm 119 and kept it sewn into his coat for life after seeing fire in a mystical experience. In eighteen anonymous documents, he defended Antoine Arnauld and argued against casuistry. This author wrote the anti-Jesuit *Provincial Letters* after siding with Jansenism. This man’s *Pensées* argued that the possibility of eternal hell makes it more reasonable to live as though there’s a God via his namesake “wager”. For 10 points, name this Frenchman who also experimented with fluid pressure.

ANSWER: Blaise Pascal <MPG>

4. Substances with this property are secreted into the blood to rectify abnormalities detected in the CSF by the central chemoreceptors. Histidine residues on hemoglobin also perform this function in the blood via their imidazole sidechains. Tris is a component of these substances often used in electrophoresis. Intracellularly, H₂PO₄⁻ and HPO₄²⁻ ions are the primary substances with this function. The bicarbonate system in the blood is an example of one of these, whose range of effectiveness can be calculated with the Henderson-Hasselbalch equation. They may be made of a weak acid and its conjugate base. For 10 points, name these substances which resist changes in pH.

ANSWER: buffers [accept word forms such as buffering; accept buffer systems; accept buffer solutions] <AS>

5. This country’s so-called “Conquest of the Desert” subjugated many indigenous peoples a century before the “Night of the Pencils,” in which ten dissident students in this country were kidnapped. This country’s first government was created after the May Revolution and led by Manuel Belgrano starting in 1810. Its military government kidnapped thousands of its own citizens in the “Dirty War” two decades after the *descamisados* rallied around a protector of fugitive Nazis in this South American country. For 10 points, name this country home to Juan and Evita Perón, from which neighboring Uruguay seceded.

ANSWER: República Argentina [or Argentine Republic] <CSM>

6. European experts on this city included Robert Koldewey and H. J. Schmid. The Median Wall was built to this city’s north, adding to its moat and double wall. This city’s Processional Way was added to during its Chaldean dynasty by a structure on which rows of brick reliefs of animals decorated a massive blue tiled gate. One ruler of this city displayed giant stone stelae with 282 decrees such as “an eye for an eye” inscribed in them using the lines and wedges of cuneiform script. For 10 points, name this ancient city where the Code of Hammurabi was issued, the Mesopotamian former site of wondrous hanging gardens.

ANSWER: Babylon [do NOT accept “Babylonia”] <MJ>

7. The restoration of this painting was guided by a copy made by Giampietrino. The central figure's feet are no longer visible in this painting, because a door was knocked through the wall on which it was painted. One figure in this painting clutches a small bag and knocks over a salt cellar. Dressed in green, St. James sits to the right of the central figure of this figure, with his arms outstretched above the table at which they are all seated. Housed in the Santa Maria delle Grazie in Milan, for 10 points, name this fresco by Leonardo da Vinci that depicts Christ partaking of a final meal with his apostles.

ANSWER: The Last Supper <JL>

8. One mythical figure in this form used a long branch to measure a python and stuck Mmoatia the fairy to a gum-doll; that hero was one of these creatures when he trapped a flock of hornets to appease his father Nyame and received a box of all the world's stories. A Lydian woman became one of these creatures after depicting the infidelities of gods in an artwork and hanging herself since her boasts of skill led her into losing a weaving contest with Athena. For 10 points, name this pest identified with the West African trickster Anansi, which Arachne was turned into.

ANSWER: spiders <RB/MJ>

9. One of his works describes a boy who "studied Latin like the violin", named Harold Wilson. In that work by him, Mary and Warren discuss taking in Silas, who claims he wants to "ditch the meadow" before discovering that he has died. Another of his poems describes how "leaf subsides to leaf / So Eden sank to grief". Another of his poems describes an object that "bent in the undergrowth", contrasting with an object that "was grassy and wanted" wear. That poem by him opens "Two roads diverged in a yellow wood". For 10 points, name this American poet of "Death of the Hired Man", "Nothing Gold Can Stay", and "The Road Not Taken".

ANSWER: Robert Lee Frost <JL>

10. This character receives a pink ribbon in the mail on August 28, his birthday, as a gift, and complains about a punctilious ambassador while working for Count C. A spot under two linden trees is this character's favorite place to drink coffee and read epic poems. The end of his story is told in third person after this character, an artist, stops addressing letters to Wilhelm. After this man returns to Wahlheim, he borrows a pistol months after the officer Albert marries this man's unrequited love Charlotte. For 10 points, name this emotional title character, whom many real-life Germans copied by killing themselves, and whose "Sorrows" title an early novel by Goethe.

ANSWER: Young Werther [*VEIR-terr*; accept pronunciations such as *WURR-thurr* or the like] <MJ>

11. Alisdair MacIntyre wrote that this man's rule of "double effect" could frame morality without utilitarianism or Kant's duty-based reasoning. This man wrote that sovereign authority, a cause avenging some wrong, and an aim to advance the good were three criteria for just war. This man, who used the objection-reply-response format for his largest work, was taught by Albertus Magnus. He made arguments called the Five Ways in an unfinished synthesis of Aristotelian philosophy with theology. For 10 points, name this Scholastic medieval thinker who included proofs of God's existence in his *Summa Theologica*.

ANSWER: Saint Thomas Aquinas [or Saint Thomas of Aquino; prompt "Doctor Universalis," prompt "Doctor Communis," prompt "Doctor Angelicus"; prompt "Saint Thomas"] <SSp>

12. This ability seems to require the human FOXP2 gene, and the infeasibility of using hidden Markov models for this ability was discussed in a Steven Pinker book which described it as an "instinct". This faculty is impaired with damage to Wernicke's or Broca's area in the brain. The documentary *Project Nim* recounts attempts to bring out this ability in a chimpanzee, which failed. Subspecialists in studying this thing include morphologists and phonologists. For 10 points, name this faculty unique to humans, which is used to comprehend and utter sentences.

ANSWER: human language [or speech] <MJ>

13. This artist often left his works purposely "incomplete", such as in a bronze sculpture of a striding figure with no arms or head, and a bust that has no back to the head and no shoulders, his *Man with a Broken Nose*. A crouching woman is caught by a falling man in this artist's *I Am Beautiful*. One of his sculptures depicts an Italian nobleman consuming one of his children. He depicted Paolo and Francesca embracing in one sculpture and his most famous male figure, rests his chin on his fist as he cogitates. For 10 points, name this French sculptor whose *Gates of Hell* includes "The Kiss" and "The Thinker".

ANSWER: Auguste Rodin <JL>

14. Because this element unusually has a $4d^{10} 5s^1$ valence configuration, rather than the expected $4d^9 5s^2$ configuration, it is almost always found in the +1 oxidation state. That property led to its use in the Stern-Gerlach experiment. Like mercury and lead, its chloride is insoluble. It is sometimes found as a native metal, or in an alloy with gold known as electrum. Its iodide is used in artificial cloud seeding, and its halide salts are generally photosensitive, allowing their use in photographic media. It is more conductive than all other metals, including copper. For 10 points, name this metal whose chemical symbol is Ag.

ANSWER: silver [or Ag until it is read] <MJ/AS>

15. One musician from this country developed a hand sign for each note in the scale as part of his namesake method of music pedagogy. That composer wrote an opera and related suite that both begin with a musical “sneeze.” Another composer from this country used his namesake pizzicato in the fourth of his six string quartets. He also used his “night music” style in such works as *Music for Strings, Percussion, and Celesta*. This birthplace of Zoltán Kodály also produced a composer who wrote nineteen piano pieces imitating the verbunkos, a folk dance from this country. For 10 points, identify this birthplace of Béla Bartók and Franz Liszt, who wrote a series of “rhapsodies” inspired by its music.

ANSWER: Hungary [or Magyarország] <KK>

16. This leader clashed with Foreign Secretary Geoffrey Howe, and triggered a leadership challenge from Michael Heseltine after instituting a highly unpopular Community Charge. This leader shut down a year-long strike of coal miners and survived a bomb planted at the Grand Hotel in Brighton. This predecessor of John Major called Mikhail Gorbachev “a man we can do business with” despite standing strongly against Communism. Britain sent troops to the Falkland Islands under, for 10 points, what Conservative, the first female British Prime Minister?

ANSWER: Margaret Hilda Thatcher, Baroness Thatcher <SJW>

17. This author wrote a young adult novel about Alex Cold’s journey through the Amazon. Another of this author’s novels concerns a Chinese physician, Tao, and his eventual relationship with the abandoned Eliza Sommers. In one novel by this author of *City of Beasts* and *Daughter of Fortune*, the green-haired Rosa is killed by the conservatives and Barrabas is a dog turned into a rug. The protagonists of that work by this author are Clara del Valle and Esteban. For 10 points, name this Chilean author who wrote about the Trueba family in *The House of the Spirits*.

ANSWER: Isabel Allende <CSM>

18. One method of using these items is called Vaapad, a rare modification of Form VII which is less common than Makashi, or Form II. In one game, three floating items of this type are part of a showdown in the core of Malachor V against Kreia. These objects are used in a climactic scene on the planet Mustafar, and they derive their function from power cells connected to crystals. The arm of a wampa is severed by one of these objects, and a purple one was used in the Geonosis arena to decapitate Jango Fett. For 10 points, name this weapon wielded by characters such as Mace Windu and Luke Skywalker in the *Star Wars* movies.

ANSWER: lightsabers <MJ>

19. This state’s gubernatorial candidate Wade Hampton controlled an armed militia called the Red Shirts. Jemmy began a slave revolt along this state’s Stono River. Banastre Tarleton fled this state after his British were crushed at Cowpens. In May 1718, the *Queen Anne’s Revenge* blockaded a harbor in what’s now this state at the behest of Blackbeard. P.G.T. Beauregard aimed cannons at an island in that same harbor in the southeast of this state, where the first shots of the Civil War were fired. For 10 points, name this first Southern state to secede, which then fired on Fort Sumter off the coast of Charleston harbor.

ANSWER: South Carolina <MJ>

20. In abstract index notation, the Levi-Civita symbol is used to define it, by providing the appropriate signs to a certain three-by-three pseudo-determinant. The computation of the volume of a parallelepiped uses this non-commutative operation as part of the scalar triple product. The curl of a vector is equal to this operation on ∇ and the vector. The output of this operation has magnitude proportional to the sine of the angle between the inputs, and is governed by the right hand rule. For 10 points, what binary operation between two vectors produces another vector and is symbolized with a small \times ?

ANSWER: cross product <BH/AS>

[STOP HERE]

[You have reached the end of the round. Do not continue reading unless the game is tied or a tossup was thrown out earlier in the round.]

21. This character spots a cloud that looks first like a camel, then “more like a weasel,” and then “more like a whale.” He later claims “there is a special providence in the fall of a sparrow” before meeting Osric, and rewrites a letter to ensure that two of his childhood friends get executed in England. J. Alfred Prufrock claims he is “not...nor was meant to be” this man, a student at Wittenberg. Before a duel with poison-tipped swords, he leaps on the grave of a woman whom he told “get thee to a nunnery,” Ophelia, and tries to kill Claudius while feigning madness. For 10 points, name this Prince of Denmark who sees his father’s ghost and asks “To be or not to be”.

ANSWER: Prince **Hamlet** <MJ>

Round 8 Bonuses

1. He played wheelchair-bound high schooler Jimmy Brooks on *Degrassi: The Next Generation*. For 10 points each:
[10] Name this rapper who has topped Ghostface Killah's "Softest Rapper in the Game" list three years in a row. He collaborated with hip-hop all-stars like Lil' Wayne, Eminem, and Kanye West on 'Forever' and his solo albums include "Take Care" and "Thank Me Later"

ANSWER: **Drake**

[10] Another TV-actor-turned-rapper is this act, the alter-ego of Donald Glover, who went from describing "Bro-Rape" with Derrick Comedy to playing Troy on *Community*, and recently released 'Camp,' his first album under this name.

ANSWER: **Childish Gambino** [prompt "Donald Glover", even though we said it in the question]

[10] This 2011 headliner at Yale's Spring Fling released his third album, *LASERS*, spawning the single "The Show Goes On" after years of negotiating with his record label. Earlier hits included "Hip-hop Saved my Life" from *The Cool* and the ubiquitous "Kick Push."

ANSWER: **Lupe** Fiasco

2. After court cases such as *Pollock v. Farmer's Loan and Trust*, the Sixteenth Amendment firmly legalized this procedure nationwide, forcing the IRS to restructure. For 10 points each:

[10] Name this procedure by which a percentage share of one's salary is paid back to the federal government to fund government spending.

ANSWER: federal **income tax** [prompt "tax" or "taxation"]

[10] A progressive income tax was a goal of this party, which favored farmer's interests and unrestricted silver coinage. They endorsed the Democratic nominee, William Jennings Bryan, in 1896.

ANSWER: **Populist** Party

[10] The Populists' 1892 nominee, James Weaver, had previously run for this other short-lived party, which opposed the Specie Payment Resumption Act and the Coinage Act of 1873.

ANSWER: **Greenback** Party <MJ>

3. Super-Kamiokande has been searching for the decay of this particle, but has not found it yet. For 10 points each:

[10] Name this positively-charged subatomic particle, which Ernest Rutherford discovered in the early 1900s.

ANSWER: **proton**

[10] Because they are hadrons, protons are composed of these elementary particles. Six types of them exist, and they have non-integer electric charge. Their interactions are mediated by gluons, and one of them is named "strange."

ANSWER: **quarks**

[10] One LHC experiment seeks to create a quark-gluon plasma, in which the quarks cease to exhibit this behavior. Ordinarily, this phenomenon, due to the strength of the strong force, prohibits the observation of isolated quarks.

ANSWER: color **confinement** <DStobierski>

4. Radio broadcasts helped spur on a civil conflict in this country after a plane crash killed its president Juvenal Habyarimana. For 10 points each:

[10] Name this African country in which the majority Hutu carried out a 1994 genocide.

ANSWER: Republic of **Rwanda** [or Republika y'u **Rwanda**]

[10] This Rwandan minority lost almost half its members during the genocide. Because they more closely resembled the peoples of Northern Africa, Rwanda's colonial powers privileged this group.

ANSWER: **Tutsi** people

[10] The genocide ended after this Defense Minister, a Tutsi, led an army from the north. This man, who was accused of war crimes during Rwanda's 1996 invasion of Zaire, is Rwanda's current President.

ANSWER: Paul **Kagame** <CSM>

5. The protagonist's father is an unfaithful preacher named Gabriel. For 10 points each:

[10] Name this semi-autobiographical novel in which John Grimes is a child in Harlem struggling with the role of the Church in his life.

ANSWER: **Go Tell It on the Mountain**

[10] *Go Tell It on the Mountain* is by this African-American author who portrayed David's homosexual awakening in Paris in *Giovanni's Room*. He also wrote *The Fire Next Time*.

ANSWER: James Arthur **Baldwin**

[10] John Grimes engages in this activity with Brother Elisha. Michael Henchard challenges Donald Farfrae to this activity in *The Mayor of Casterbridge*.

ANSWER: **wrestling** [prompt on "fighting"] <JL>

6. Except in the rotaviruses and their ilk, this biopolymer is virtually always found in a single-stranded form. For 10 points each:

[10] Name this molecule, one form of which undergoes translation in the ribosome. It uses uracil rather than thymine.

ANSWER: [messenger] **RNA** [accept **mRNA**; accept messenger **ribonucleic acid**; accept **ssRNA**]

[10] These sets of three nucleotides on messenger RNA each correspond to an amino acid to be added to a peptide chain by the ribosome. The "start" one is adenine-uracil-guanine, which corresponds to methionine.

ANSWER: **codons** [do not accept "anticodons"]

[10] A method of gene silencing called RNA interference was discovered in this model organism, a transparent worm whose adult males have exactly 1031 cells. It was the first multicellular organism whose genome was sequenced.

ANSWER: **C. elegans** [or **Caenorhabditis elegans**] <MJ>

7. In this novel, the protagonist's sister Dunya is briefly engaged to Luzhin. For 10 points each:

[10] Name this novel by Fyodor Dostoevsky that concerns the moral dilemmas of Rodion Raskolnikov, who murders a pawnbroker.

ANSWER: **Crime and Punishment**

[10] After killing the pawnbroker, Alyona Ivanovna, Raskolnikov also murders this woman, the pawnbroker's mentally handicapped sister, who walks in on the murder.

ANSWER: **Lizaveta**

[10] Raskolnikov first confesses his crime to this prostitute, the daughter of Marmeladov. She later urges him to confess and follows him to Siberia.

ANSWER: **Sonya** [or **Sofia** Semyonovna Marmeladova; or Sonechka; prompt on "Marmeladova"] <CSM>

8. The wedding march often played at the bride's entrance at formal weddings is actually the Bridal Chorus from the third act of this opera. For 10 points each:

[10] Name this whose title character, a "knight of the swan," saves Elsa from Telramund's accusations and marries her, under the condition that she never ask his name.

ANSWER: **Lohengrin**

[10] This notoriously antisemitic German composer wrote *Lohengrin*, as well as *Tristan and Isolde* and an epic four-opera cycle based on Norse sagas, *The Ring of the Nibelung*.

ANSWER: Richard **Wagner**

[10] For the 1876 premiere of the *Ring*, Wagner established a still-running annual festival in this Bavarian town. Wagner had the opera house here specially designed so that the audience could not see the orchestra.

ANSWER: **Bayreuth** [**BYE-royt**; accept other reasonable pronunciations] <KK>

9. A chapel dedicated to him is adjacent to the Menil Collection in Houston, which houses many of his works. For 10 points each:

[10] Name this painter who was commissioned to create the Seagram Murals for the Four Seasons Restaurant. This painter of many basic-looking “color fields” emigrated from Latvia to America and committed suicide in 1970.

ANSWER: Mark **Rothko**

[10] Rothko objected to being labeled an Abstract Expressionist, a term more often applied to the style of this artist, known for dripping paint onto canvases in such works as *Lavender Mist* and *Autumn Rhythm*.

ANSWER: Jackson **Pollock**

[10] This Pollock painting, which is dominated by black, turquoise, white, and orange, takes its title from a song from Shakespeare’s *Tempest*.

ANSWER: **Full Fathom Five**

10. For 10 points each, answer these questions about the philosophy of mathematics.

[10] This result, which ruined David Hilbert’s dream of axiomatizing all math, states that within any powerful formal system, either some true statements can’t be proved, or else the system must produce a contradiction.

ANSWER: Gödel’s **Incompleteness** Theorem[s]

[10] Gödel’s paper singled out the efforts of this British thinker, who asked whether “the set of all sets that do not contain themselves” contains itself, gave the lecture *Why I am Not a Christian*, and lobbied for nuclear disarmament.

ANSWER: Bertrand Arthur William **Russell**, 3rd Earl Russell

[10] Russell attempted to ground mathematics in logic in this massive work co-authored with Alfred North Whitehead. It takes hundreds of pages to prove that 1 plus 1 equals 2, which it notes is “occasionally useful.”

ANSWER: **Principia Mathematica** <SSp>

11. This character tells Ahab that their deaths will be intertwined, and, after disappearing, is revealed to have been killed by Moby-Dick. For 10 points each,

[10] Name this “Parsee,” whom the crew of the *Pequod* speculates may be the devil to whom Ahab has sold his soul.

ANSWER: **Fedallah**

[10] Fedallah and Ahab are creations of this American author who included “Benito Cereno” in his *The Piazza Tales*.

ANSWER: Herman **Melville**

[10] This naive title character of another Melville work is a sailor aboard the *H.M.S. Bellipotent*, and accidentally kills the villainous Claggart.

ANSWER: **Billy Budd** [Accept either] <SJW>

12. This tradition believes in a principle of *wu wei*, or knowing when to act by way of inaction. For 10 points each:

[10] Name this Eastern religion, whose revered founders include Laozi. It popularized the yin-yang symbol and its believers adhere to “The Way.”

ANSWER: **Taoism** [or **Daoism**]

[10] Taoism *does* have spiritual beings and gods, like this group below the Jade Emperor and the Three Pure Ones. Each carries a directly-associated object such as Li’s iron crutch or the sword on Lu Dongbin’s back.

ANSWER: **Eight Immortals** [or **Eight Genies**; or **Ba Xian**; or **Pa Hsien**]

[10] This other Chinese tradition includes a sense of relational compassion called *ren* among its cardinal moral concepts. Its namesake sage urged filial piety over spirituality in his *Analects*.

ANSWER: **Confucianism** <MPG>

13. This property of a star’s surface is related to its temperature by Wien’s law. For 10 points each:

[10] Name this property, which is described by the O B A F G K M system.

ANSWER: **color** [accept **color temperature**; prompt on “wavelength” or “peak emission wavelength”]

[10] This part of a star is at the highest temperatures. This is the part of the sun that is visible during a total eclipse, and magnetic reconnection in this region is responsible for its namesake mass ejections.

ANSWER: **corona** [accept **coronal mass ejections**]

[10] This layer of the sun is the layer from which visible light originates. Solar granules are found in this layer.

ANSWER: **photosphere** <AS>

14. In recent years, Kazakhstan has ratcheted up oil production in this body of water to its west. For 10 points each:
[10] Name this huge, landlocked body of water, actually a lake, which is fed by the Volga river. Azerbaijan and Russia also have long coastlines along this sea.

ANSWER: Caspian Sea

[10] Halfway around the world, this lake sits in the Andes between Peru and Bolivia with a surface about 12,500 feet above sea level. Its natives live off this lake's fish on islands built from floating reeds.

ANSWER: Lake Titicaca

[10] The Caspian Sea and Lake Titicaca are both lakes of this type, since no water outflow from them or their drainage basins reaches an ocean.

ANSWER: endorheic lakes [or endorheic basins] <MJ>

15. This monarch invaded the Spanish Netherlands during the War of the Devolution, one of four major wars during his seventy-two year reign. For 10 points each:

[10] Name this absolutist "Sun-King," a French monarch who ordered that the palace of Versailles be built for him.

ANSWER: Louis XIV [or Louis the Great]

[10] This minister served as mentor to the young Louis XIV as the ally of the king's mother, Anne of Austria. Some historians allege that Anne secretly married this man.

ANSWER: Jules, Cardinal Mazarin [or Giulio Raimondo Mazzarino; or Mazarini]

[10] After Nicolas Fouquet built an opulent cheateau, this author of a memorandum on trade got Fouquet dismissed and took over his role as Controller-General of Finances.

ANSWER: Jean-Baptiste Colbert <SJW>

16. This composer used taxi horns in a piece meant to convey impressions of the title city, *An American in Paris*. For 10 points each:

[10] Name this composer of *Cuban Overture*, a jazzy *Concerto in F*, and a set of variations on his tune "I Got Rhythm," lyrics for which were written by his brother Ira.

ANSWER: George Gershwin

[10] Gershwin's best-known instrumental piece is this piece commissioned by Paul Whiteman and orchestrated by Ferde Grofé. It opens with a clarinet solo.

ANSWER: Rhapsody in Blue

[10] The opening clarinet solo of *Rhapsody in Blue* uses this technique similar to a vocal portamento. It is defined as a glide from one pitch to another.

ANSWER: glissando <KK>

17. Answer some questions about anthropologists studying the native peoples of North America, for 10 points each.

[10] These people *don't* actually have hundreds of words for snow, ruining an example used by Benjamin Whorf to show how language influences thought. They have autonomy in Canada's Nunavut province.

ANSWER: Inuit [prompt the derogatory term "Eskimos"; prompt "Yupik"; prompt "Inupiat"]

[10] This female anthropologist described the "personality writ large" of the Kwakiutl and Pueblo peoples in *Patterns of Culture*, and wrote a study of Japan for the US Office of War Information.

ANSWER: Ruth Fulton Benedict

[10] Like the Omaha and Crow, Lewis Henry Morgan studied the kinship system of these people, in which brothers of one's father are also called fathers. They identify themselves as "People of the Longhouse."

ANSWER: Iroquois League [or Iroquois Confederacy; or Haudenosaunee] <AD>

18. This character relates the story of her marriage to Jankyn, who reads to her from a book about badly behaved wives. For 10 points each,

[10] Name this character, who tells the tale of an Arthurian knight forced to answer the question of what women want more than anything else.

ANSWER: The Wife of Bath [Accept Alyson]

[10] The Wife of Bath joins the Friar, the Knight, the Summoner, and many others as pilgrims to the title shrine in this Geoffrey Chaucer work.

ANSWER: *The* Canterbury Tales

[10] This pilgrim in *The Canterbury Tales* tells the story of the three youths who fight over treasure they find under a tree. This figure offers false relics for the pilgrims to worship, and Chaucer hints that he may be a eunuch.

ANSWER: The Pardoner <SJW>

19. Grab a stand, a burette, and an Erlenmeyer flask! But don't actually do that, since they're probably pretty far away. For 10 points each:

[10] Name this method of determining the concentration of an analyte solution by adding a measured quantity of a reagent of known concentration from the burette.

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

[10] When this point is reached, the reaction between titrant and analyte is complete. However, because the indicator may not have changed color, it becomes necessary to continue titrating until the endpoint is reached.

ANSWER: **equivalence** point

[10] Instead of using an indicator, pH can be measured using an electronic pH meter, which generally uses an electrode made of this substance. The borosilicate variety is particularly common in chemical applications.

ANSWER: **glass** [accept **borosilicate glass**] <JG/AS>

20. One Polynesian trickster wrestled Mahuika before prying off Mahuika's fingernails to accomplish this task, and Coyote enlisted other animals such as Squirrel to do it in Shoshone and Karok tales. For 10 points each:

[10] Name this mythical transgression depicted by the statue at Rockefeller Center in New York, for which a Greek titan was punished by an eagle which ate his liver every day.

ANSWER: the **stealing of fire** from the gods [accept synonyms for "steal" such as **theft** or **robbery**; accept **giving fire** to humankind, **introducing fire** to the mortal world, or equivalents]

[10] This Titan and brother of Epimetheus, who is "bound" in an Aeschylus play, stole fire in Greek myth.

ANSWER: **Prometheus**

[10] The aforementioned Polynesian god was this hero who used a jawbone to slow down the sun and pulled up the islands of the Pacific, including one to which he gives his name.

ANSWER: **Maui**-tikitiki [or **Ti'iti'i**] <MJ>

21. This employer of the Cheka police composed his *April Theses* on a train from Switzerland. For 10 points each:

[10] Name this leader of the Bolsheviks, who led the October Revolution of 1917 and headed the Soviet Union until his death in 1924.

ANSWER: Vladimir Ilyich **Lenin** [or Vladimir **Ulianov**]

[10] Lenin implemented this program in 1921, which allowed for some private ventures, including small businesses operating for profit and some private agriculture. Stalin replaced it with his First Five-Year Plan in 1928.

ANSWER: **New Economic Policy** [or **NEP**; or **Novaya Ekonomicheskaya Politika**]

[10] During Stalin's First Five-Year Plan, this country within the USSR underwent the liquidation of its *kulaks'* property during a mass starvations of between two and ten million people called the *Holodomor*.

ANSWER: **Ukraine** [or **Ukrainian** Soviet Socialist Republic] <CSM>