

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

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TOSSUPS:

1. One of this author's poems describes an eye "wild as the Gazelle's" that "Wins as it wanders, dazzles where it dwells." This author chastised "Ungrateful Florence" for not appreciating Dante, who "sleeps afar, / Like Scipio, buried by the upbraiding shore." A poem by him describes a rider "With dew on his brow, and the rust on his mail." He attacked a rival in a poem that begins "Bob Southey! You're a poet." He included the poem "To Ianthe" in a long work that makes reference to his daughter, Ada Lovelace. One of his poems begins: "The Assyrian came down like a wolf on the fold." For 10 points, name this English Romantic poet of "The Destruction of Sennacherib" who featured his namesake type of hero in *Childe Harold's Pilgrimage* and *Don Juan*.

ANSWER: Lord **Byron** [or George Gordon **Byron**, 6<sup>th</sup> Baron Byron]

2. In one work by this artist, the Statue of Liberty appears on a table where eight seated guests handle a ticker tape. A man in a hot air balloon waves a tricolor flag in the background of a work by him, whose foreground shows a suited figure linking arms with a *catrina*. One work by this artist of *Wall Street Banquet* and *Dream of a Sunday Afternoon in Alameda Park* shows an army with gas masks standing behind a large statue of Zeus. He depicted Ford Motor Company workers in his 27-part series *Detroit Industry*. Nelson Rockefeller ordered the destruction of a mural by this man that included a depiction of Vladimir Lenin. For 10 points, name this Mexican artist of *Man, Controller of the Universe*, who was the husband of Frida Kahlo.

ANSWER: Diego **Rivera** [or Diego (María de la Concepción Juan Nepomuceno Estanislao) de la **Rivera** (y Barrientos Acosta y Rodríguez)]

3. This event is explored in a chapter subtitled "Getting Creamed" in Samantha Power's *A Problem from Hell*, which relates how Gary Coward drew a large circle during a press conference. A secret meeting to release French hostages was a key precursor to this event, which marred the career of Yasushi Akashi. A Youtube video shows the perpetrator of this event berating Thom Karremans shortly before carrying it out. This event occurred a month after Bernard Janvier promised to halt air strikes around designated Safe Areas, and was perpetrated by the VRS under Ratko Mladic despite the presence of Dutchbat peacekeeping forces. For 10 points, identify this July 1995 massacre of 8,000 Muslims carried out after Serbian forces overran the namesake town during the Bosnian War.

ANSWER: **Srebrenica** Massacre [Masakar u **Srebrenici**]

4. A low level of compounds produced in this organelle can cause rhizomelic chondrodysplasia punctata. That disease is typically due to a mutation in the genes coding for AGPS or GNPAT. The D members of the ATP-binding cassette family localize compounds to this organelle. The SKL motif, or serine-lysine-leucine, that directs proteins to this organelle is coded for by the PEX5 gene. This organelle degrades cerotic acid and is the site of plasmalogen synthesis. Problems with this organelle can cause adrenoleukodystrophy or Zellweger syndrome, in which long-chain fatty acids that are normally broken down within it accumulate. For 10 points, what organelles contain catalase to break down reactive molecules like hydrogen peroxide?

ANSWER: **peroxisomes**

5. One of this god's children was known as the "great runner," and shared his name with a blue-skinned male fertility god that was typically shown with a potbelly and large, sagging breasts. Some depictions of this god as a child show him clutching scorpions and snakes, while other depictions show him raising a crooked finger to his lip. This god won an eighty year-long feud by painting his opponent's stone boat in the likeness of wood, allowing this god to easily win the race. The four cardinal directions were represented by this god's sons, who served as guardians of the canopic jars. This deity was symbolized by an object that was treated with milk after being wounded in a fight against Set, the *wedjat* eye. For 10 points, name this son of Isis and Osiris, the falcon-headed Egyptian god of the sky.

ANSWER: **Horus**

6. A drawing of this event shows one participant shouting "EXTINGUISH THE LIGHTS!" while daintily impaling Richard Smithers with a sword. Conversations about this event were overheard at the Horse and Groom. The trial of Richard Carlile led Jamaican-born William Davidson and other Spenceans to become involved in this event, which saw a fake ad run in the *New Times* by turncoat George Edwards. Lord Sidmouth's head was to have been paraded around on a stick and then mounted on Westminster Bridge after this event, which targeted a fabricated dinner at Lord Harrowby's house. Arthur Thistlewood planned this event in response to the Six Acts. For 10 points, name this foiled 1820 plot that sought to slaughter Liverpool's cabinet, named for its conspirators' meeting spot in London.

ANSWER: **Cato Street** Conspiracy

7. Miguel Sidrauski incorporated this thing into the utility function. When this entity is held in intertemporal models considering real variables, its value in time  $t$  plus one is divided by  $1 + \pi$ . In the Lucas Islands model, this thing is long-run neutral, but short-run changes in its supply can briefly alter production. Its creation can produce profits via seigniorage. The demand for it is proportional to one's liquidity preference, and nominal values of other goods are roughly proportional to its supply. The "bad" type of this entity drives out the good, according to Gresham's Law. For 10 points, identify this substance whose namesake type of government policy can alter inflation or interest rates, and is contrasted with fiscal policy.

ANSWER: **money** [accept word forms like **monetary** policy, accept **currency** but prompt on the names of any specific currencies, accept synonyms like **cash**, **dough**, **cheddar**, **moolah**, **bread**, **smackeroos**, etc.]

8. These compounds are created in a modification of the pinacol coupling named for McMurry. Potassium peroxymonosulfate and a ketone catalyst react with these compounds to create a dioxirane intermediate in a reaction named for Yian Shi. Treatment of tosylhydrazones with strong bases produces these compounds. Osmium tetroxide catalyzes the dihydroxylation of compounds with this functional group in the Upjohn and Sharpless methods of diol synthesis. In addition to the Shapiro and Bamford-Stevens reactions, methods of producing them include using Grubbs' catalyst to assist with their namesake metathesis. For 10 points, name these unsaturated hydrocarbons, the simplest of which is ethylene, which have at least one double bond.

ANSWER: **alkenes** [or **olefins**, be careful not to accept alkynes or alkanes, which are different]

9. In one story by this author, a woman is shocked when she notices the resemblance between a character found sleeping in the shadow of a stone pillar with a boy waving a fan of peacock feathers. One story by this author ends with the protagonist wishing that a cable car would go on forever, after she squanders the money she'd meant to spend on her children, on a fancy lunch, a matinee, and a luxury clothing item. A parrot squawking "Allez-vous-en" opens a work by this author of "A Pair of Silk Stockings," who wrote a story in which Armand sends away his wife for having a mulatto child. This author of "Desirée's Baby" wrote a novel describing Edna Pontellier's discovery of her own sexuality. For 10 points, name this American author of *The Awakening*.

ANSWER: Kate **Chopin** [or Katherine **O'Flaherty**]

10. Magic Hat Brewing produced bottle caps noting that “condoms prevent [these things].” The music video to one song about one type of these things parodies the opening of “White & Nerdy,” with a black one appearing in front of a man mowing his lawn, as a child claims that the name of these things is a “dirty word.” In a 2010 song about these things, an awkward bespectacled white dude raps about how there’s no “mother father swearing” in his house. In a song about them, a woman admits that product placement for Sirius XM Radio was necessary to get Busta Rhymes on the track. Those songs about these “swagger wagons” were used in a commercial for the Toyota Sienna. For 10 points, identify this class of goods, exemplified by the Honda Odyssey, which typically have sliding doors, three rows of seating, and a soccer mom behind the wheel.

ANSWER: **minivans** [accept **swagger wagon** before mentioned, prompt on things like **automobiles**, **vans**, or **cars**, anti-prompt on specific minivans like the Toyota Sienna]

11. While negotiating a half billion ransom, a character in this play accidentally gesticulates too much with his hands and touches an electrified fence, which kills him. One character in this play is disappointed to learn that a new breed of flowers that has been named for her is sterile. Some characters in this play suffer from a namesake “palsy,” in which they start randomly breaking things. In this play, an ex-member of the League of Humanity burns a formula that is the secret of production at a factory that has a spinning mill for making nerves. At the end of this play, Radius leads a rebellion that eradicates all humans except Alquist, and Primus and Helena become the Adam and Eve of a new race. For 10 points, name this play by Karel Čapek that introduced a word for mechanical humanoids.

ANSWER: **R.U.R.** [or **Rossum’s Universal Robots**; or **Rossumovi Univerzální Roboti**]

12. This man developed a method for solving the spin-1/2, one-dimensional case of Heisenberg’s magnetic model. The Barkas effect requires a correction to a formula named for this physicist. That formula, which Bloch also added a quadratic correction to, gives the energy loss due to a material’s stopping of charged particles. This physicist is the alphabetically-prior namesake of a formula derived from the liquid drop model. That semi-empirical mass formula is also named for the co-proposer of this man’s mechanism for the CNO cycle, Carl Weizsacker. This man theoretically derived the value of the Lamb shift. For 10 points, what physicist’s name was humorously added to a paper by Alpher and Gamow because of its similarity to the second letter of the Greek alphabet?

ANSWER: Hans **Bethe**

13. In Ravel’s *L’enfant et les sortilèges*, this is the first thing after the armchairs to come to life. A representation of one of these things provides the transition between the *Adagio* third movement and the fugal finale of a Strauss tone poem about a mother, father, and child. Harp harmonics are used to represent one of these things in the opening of Vaughan Williams’ *Symphony No. 2*. Leroy Anderson wrote a piece titled for a “syncopated” one of these things. In a suite from an opera, a movement representing one of these follows “The Fairy Tale Begins;” that Viennese one of these appears in the *Háry János Suite*. One of these things provides the subtitle for Haydn’s Symphony No. 101. For 10 points, name these mechanical objects, which are sometimes portrayed as ringing the hours.

ANSWER: **clocks** [accept **chimes**; be very generous, and prompt on “bells”]

14. A queen of this dynasty, Zainab, suggested its ruler adopted the title “Amir al-mu’minin,” a title still used by modern kings of its country. This dynasty built the Great Mosque of Tlemcen and practiced full facial covering by both men and women. A branch of this dynasty maintained control of its major offshore islands before being recognized by the Abbasids, and was known as the Banu Ghaniya. Guided by the preaching of Waggag ibn Zallu and Ibn Yasin, this dynasty expanded to take Kumbi Saleh, fought Portugal at Ourique, and defended al-Andalus from Alfonso the Brave at Sagrajas. Its greatest ruler, Yusuf ibn Tashfin, established its capital at Marrakesh. For 10 points, name this Berber dynasty from Morocco that ruled from 1040-1147 when they were supplanted by the Almohads.

ANSWER: **Almoravids** [or al-**MurabiTun**]

15. One text central to this faith follows a man variously tracking, chasing, and riding the central animal, which then disappears. This faith's founder cut off his eyelids to prevent himself from falling asleep while staring at a wall for nine years, and after his death left a single shoe for followers to discover in his grave. One of this religion's scriptures is named after the *Platform* of its Sixth Patriarch, Huineng. Achieving insight, or *kensho*, is the main goal of this religion's Rinzai sect. Several statements important to this religion are collected in the *Blue Cliff Record*, which contains paradoxical statements known as koans. For 10 points, name this Mahayana sect founded by Bodhidharma which is commonly practiced through meditation and is popular in Japan.

ANSWER: Zen Buddhism [or Chan Buddhism; prompt on Buddhism]

16. A singularity is termed essential if a Laurent series about it has infinitely many terms whose exponents are numbers with this property. Platykurtic "broad" distributions like the uniform distribution have kurtosis with this property. Along with "binomial," a distribution named by this adjective describes how many times a trial is repeated before a given number of failures occurs. Zero and integers with this property are the only poles of the gamma function. These numbers start with a 1 when written in two's complement. In hyperbolic geometry, the curvature has this property. Multiplying by a number of this type requires reversing the direction of an inequality. These real numbers are *not* fixed by the absolute value function. For 10 points, identify these numbers whose square roots are purely imaginary.

ANSWER: negative integers [accept word forms or descriptive answers like less than zero, prompt on nonpositive]

17. A work by this thinker discusses Gaston Bachelard's analysis of blacksmiths in finding that the discovery of bronze allowed man to "accomplish himself in his singularity." This thinker examined the question of why a man who will rest after he conquers the world doesn't just rest now, since the end result of conquering is resting, in a work exploring the motivation for human action. A work by this author contrasts outward- and inward-facing roles, which are dedicated to "transcendence" and "immanence," respectively. This author of *Pyrrhus and Cinéas* described the making of women into the "Other" in a work that refutes the concept of the "eternal feminine," and states: "One is not born, but rather becomes, a woman." For 10 points, name this French feminist philosopher of *The Second Sex*.

ANSWER: Simone de Beauvoir

18. The Alexander Calder sculpture *.125* is currently located at one of these places, and another one of these places is shaped to create natural circulation with a series of large air ducts. Another one of these places is home to the Googie-style Theme Building, which resembles a flying saucer with legs. The roof of one of these places in Denver has several pointy white fabric peaks that resemble mountains. One of these buildings contains a concrete catenary ceiling that requires no internal columns for support. Renzo Piano won a Pritzker Prize for designing one of these buildings on an artificial island in Osaka. For 10 points, name these building complexes, exemplified by one in New York City that includes the Saarinen-designed TWA Flight Center.

ANSWER: airports [be generous, and accept approximate equivalents such as air terminal or flight center]

19. In one story by this author, a pregnant woman dies when her fiancé sneaks a bomb into her luggage, through a last-minute gift, killing everyone on board her flight. A novel by this author begins with a man watching children gather around a clutch of "pale freckled eggs" and includes a scene where the protagonist listens to the howling of a beaten dog on Christmas Day. This author of "Some Are Born to Sweet Delight" created a character who muses on a photo of a white schoolgirl and black woman that appears in a *Life* coffee-table book. That novel by this author ends with Maureen running towards a helicopter and is about the title servant helping the Smales family escape a black revolution. For 10 points, name this South African author of *The Conservationist* and *July's People*.

ANSWER: Nadine Gordimer

20. A plan to groom this man for Felix Grundy's senate seat went awry when, while tasked with impressing Grundy during a night at the theater, he initiated a violent assault that ended with him lifting another man up by his legs and beating him in the testicles. This man defeated William Blount and Newton Cannon in a gubernatorial campaign, but had to resign after being abandoned and humiliated by his wife Eliza Allen. Francis Scott Key defended this man for the aforementioned caning of William Stanbery during his time as a Tennessee Congressman. This protege of Andrew Jackson became an adopted Cherokee. After winning the Battle of San Jacinto, this man was elected over Stephen Austin. For 10 points, name this two-time president of Texas and namesake of its most populous city.

ANSWER: Samuel **Houston**

BONUSES:

1. One author from this country penned the stories “The Night, the Prowler” and “A Woman’s Hand,” both contained in the collection *The Cockatoos*. For 10 points each:

[10] Name this country home to Patrick White and the author of *Oscar and Lucinda*, Peter Carey.

ANSWER: Commonwealth of **Australia**

[10] Patrick White wrote this novel about a German explorer who is accompanied by Frank Le Mesurier and Mr. Palfreyman on his journey through Australia.

ANSWER: **Voss**

[10] In *Oscar and Lucinda*, Theophilus beats the young Oscar for eating this food item, which Theophilus considers to be not truly Christian.

ANSWER: Christmas **pudding**

2. The larger of these two objects contains a depiction of Jesus, signifying the Christianization of its creator’s country. For 10 points each:

[10] Name this pair of rune-inscribed objects, one a tribute to Thyra written by Gorm the Old and the other erected by Harald Bluetooth.

ANSWER: **Jelling stones**

[10] Harald and Gorm were both rulers of this country. Later rulers of this country include Sweyn Forkbeard, Canute, and many kings named Christian.

ANSWER: **Denmark**

[10] Harald Bluetooth also created several of these fortifications across Denmark. Their gates always pointed in the cardinal directions, and they take one of their names from the city near which the first one was discovered.

ANSWER: **Trelleborg** fortresses [or Viking **ring forts**]

3. This opera includes several variations on a tone row that begins with the notes A-D-B-E. For 10 points each:

[10] Name this opera in which Miss Jessel and Peter Quint sing “The ceremony of innocence is drowned” before haunting The Governess, and the children Miles and Flora.

ANSWER: *The* **Turn of the Screw**

[10] *The Turn of the Screw* is an opera by this English composer of the opera *Peter Grimes* and the *War Requiem*.

ANSWER: Benjamin **Britten**

[10] In Britten’s operatic version of *Death in Venice*, Tadzio is often accompanied by music inspired by this kind of musical ensemble. Britten also drew upon this kind of ensemble in a ballet about Belle Rose and a magical prince.

ANSWER: **gamelan** [prompt on “percussion”, “drum ensemble”, or any such answer]

4. This book mentions Sodom and Gomorrah as one of three examples of God judging those who commit apostasy. For 10 points each:

[10] Name this Epistle written by a man who claims to be a brother of James. At 25 verses, it is one of the shortest books of the Bible, and is named for the patron saint of hopeless cases.

ANSWER: Epistle of **Jude**

[10] Even shorter than the Epistle of Jude is the third Epistle written by this Evangelist. This apostle was the only one of Jesus’ disciples to not be martyred, and he also wrote the fourth and final Gospel.

ANSWER: **John**

[10] According to the Gospel of John, this unnamed person’s testimony was the basis for the writing of the Gospel. Along with Peter, this figure is one of the first to enter the empty tomb of Jesus.

ANSWER: the **Beloved Disciple** [or the **Disciple whom Jesus loved**]

5. *Tra* genes allow for the usefulness of the F-type of this structure. For 10 points each:

[10] Name these short, circular segments of DNA transmitted by bacteria during conjugation.

ANSWER: **plasmids**

[10] Plasmids were first discovered by Joshua, a bacteriologist with this surname. His wife Esther discovered the fertility factor that allows for conjugation.

ANSWER: Joshua/Esther **Lederberg**

[10] These modifications of the F plasmid are designed to be able to accommodate much larger pieces of inserted DNA than naturally-occurring plasmids. They were developed by Hiroaki Shizuya.

ANSWER: **BACs** [or **bacterial artificial chromosomes**]

6. This thinker proposed that a “logical analysis of language” would accomplish the title goal in his paper “The Elimination of Metaphysics.” For 10 points each:

[10] Name this author of *Meaning and Necessity* and *The Logical Structure of the World*, who extended the ideas of Wittgenstein in *Logical Syntax of Language*.

ANSWER: Rudolf **Carnap**

[10] Along with Otto Neurath, Carnap was a member of the “left wing” of the “circle” of logical empiricists based in this Central European capital.

ANSWER: **Vienna** Circle [accept **Wiener Kreis**]

[10] Carnap’s journal of analytic philosophy, *Erkenntnis*, was reformed by Carl Hempel, who formulated a paradox about induction involving this animal and this color. Please name both.

ANSWER: **black ravens** [both answers required; accept in either order; prompt on “birds” for “ravens”]

7. Juan Lopez de Palacios Rubios created this document, which justified enslavement of natives under the assumption that God already owned them anyway. For 10 points each:

[10] Name this document that conquistadors had to read aloud before every act of violent conquest. Its faulty logic ended up not mattering, since it was usually read to empty beaches anyway.

ANSWER: The **Requerimiento** [or The **Requirement**]

[10] The Requerimiento shares the same basic design with the Aslim Taslam letters sent to Heraclius, Khosrau II, and others by this prophet from Mecca, the founder of Islam.

ANSWER: **Muhammad** ibn 'Abd Allah

[10] Spain had given up even bothering with the beaches by the time of the Acoma Massacre, which occurred in what is now this country. Other Spanish colonial violence in this country included the Pima Revolt and an uprising led by Popé.

ANSWER: The **United States of America** [either underlined portion, of course]

8. This composer was known as the “Prime Minister of Jazz” for playing piano in the band of Paul Whiteman, who was known as the “King of Jazz.” For 10 points each:

[10] Name this American composer who evoked a man riding on a donkey in the “On the Trail” movement of his *Grand Canyon Suite*.

ANSWER: Ferde **Grofé**

[10] This other Grofé work opens with a movement in 5/4 called “Funeral Mountains.” The movements “Sand Storm” and “49er Emigrant Train” appear in this suite, which was commissioned for California’s State Centennial.

ANSWER: **Death Valley Suite**

[10] In the “Desert Water Hole” section of his *Death Valley Suite*, Grofé combined “Old Folks at Home” and “Oh! Susanna,” two songs by this American songwriter of “Camptown Races.”

ANSWER: Stephen (Collins) **Foster**

9. Glaciation probably led to the Hangenberg portion of this event, which was mostly kicked off by the Kellwasser event. For 10 points each:

[10] Identify this series of major extinctions that took place during the Famennian stage of its namesake epoch. It led to the wiping out of such awesome creatures as the armored fish *Dunkleosteus*.

ANSWER: **Late Devonian** extinctions [prompt on answers that don't include the word Late]

[10] The Late Devonian's extinction of all the cool fish meant that this subsequent period was dominated by wimpy little fish. Large amounts of atmospheric oxygen in this period did allow for the proliferation of giant flying insects, though.

ANSWER: **Carboniferous** period

[10] Until humans finish wiping out most forms of life on Earth, the largest extinction event in history remains the "Great Dying" at the end of this period, which came after the Carboniferous.

ANSWER: **Permian** period

10. This example of flash fiction is frequently attributed to Ernest Hemingway. For 10 points each:

[10] What are these six words that comprise a tragic micro-story, which may have been inspired by a newspaper entry about the belongings of a dead child?

ANSWER: **For sale: baby shoes, never worn**

[10] In this Ernest Hemingway novel, titled for a line by John Donne, the guerilla Anselmo dies while helping Robert Jordan blow up a bridge during the Spanish Civil War.

ANSWER: **For Whom the Bell Tolls**

[10] In this short story by Hemingway, Nick Adams warns the boxer Ole Anderson that the title gangsters are after him, but is shocked by Ole's fatalistic reaction.

ANSWER: "The **Killers**"

11. The FBI's Operation Bid Rig uncovered a network of Orthodox rabbis who were helping to launder tens of millions of dollars in this state. For 10 points each:

[10] Name this state, where exactly no one was surprised at the subsequent arrests of the mayors of Hoboken and Secaucus. It's also home to Chris Christie.

ANSWER: **New Jersey**

[10] In what came to be known as "Bridgeghazi," Christie subordinates conspired in 2013 to punish Mark Sokolich, the mayor of this city, for not endorsing Christie in the upcoming election.

ANSWER: **Fort Lee**

[10] This New Jersey politician came out as gay in 2004, making him the first openly gay U.S. governor – albeit very briefly, as he then resigned after having tried to appoint his Israeli boyfriend as homeland security adviser.

ANSWER: Jim **McGreevey**

12. A character in this play mockingly asks another "Can you love?" after he admits that his love for Aricia is the main reason why he intends to leave Troezen. For 10 points each:

[10] Name this play in which the title character poisons herself after her nurse Oenone hatches a plot to convince Theseus that she was seduced by his son Hippolytus, leading to his exile and subsequent death.

ANSWER: **Phédre** [or **Phaedra**]

[10] *Phédre* was written by this classical French tragedian who described the title character's marriage to Pyrrhus in order to protect her son Astyanax in *Andromaque*.

ANSWER: Jean **Racine**

[10] Racine was a contemporary of this French author of the Horace-inspired *L'Art poétique*, whose translation of Longinus re-instated "the sublime" as an aesthetic category in the 17<sup>th</sup>-century.

ANSWER: Nicolas **Boileau-Despréaux**

13. The Rabinovich-Fabrikant equations may display this phenomenon, depending on the parameters. For 10 points each:

[10] Identify this phenomenon in which a system displays high sensitivity to initial conditions. Edward Lorenz analogized behaviors of this type to a hurricane's formation being dependent on a butterfly flapping its wings.

ANSWER: **chaos** [accept word forms]

[10] This simple chaotic system will flip if  $3 \cos(\theta_1) + \cos(\theta_2) < 2$ . Elliptical integrals could be used to model its individual parts if they weren't coupled.

ANSWER: **double pendulum**

[10] If two trajectories initially have a small separation of  $D$ , and the system has Lyapunov characteristic  $\lambda$ , then after a short time  $t$ , we should expect the distance between them to be equal to  $D$  times what function of  $\lambda$  and  $t$ ?

ANSWER:  **$e^{(\lambda t)}$**  [that's "e to the power of  $\lambda t$ ", or **exponential( $\lambda t$ )**]

14. Port of New York customs inspector George Bidwell was the respondent in several of these cases, which addressed the major debate around the question, "does the Constitution follow the flag?" For 10 points each:

[10] Name these cases that concerned the status of newly acquired territories and established the distinction between incorporated and unincorporated territories.

ANSWER: **Insular Cases**

[10] Many of the Insular Cases centered on this Caribbean territory, which was acquired by the U.S. after the Spanish-American War and whose residents were given American citizenship by the Jones Act.

ANSWER: **Puerto Rico** [or Estado Libre Asociado de **Puerto Rico**]

[10] A leading activist for Puerto Rican citizenship with this surname, Isabel, challenged her detention at Ellis Island in a 1904 case against William Williams. A famous photo shows another individual with this surname being seized in a closet by BORTAC agents on the orders of Janet Reno.

ANSWER: **González**

15. These figures were conceived when a skull spit into their mother's hand. For 10 points each:

[10] Identify these ball-playing brothers whose travels to the underworld and defeat of the Lords of Xibalba are recounted in the *Popul Vuh*.

ANSWER: **Hero Twins** [or **Hunahpu AND Xbalanque**; both names required]

[10] After surviving the Fire House of Xibalba, the Hero Twins spent a night in a house filled with these creatures. When Hunahpu peered out to see if the night was over, one of these flying creatures cut off his head.

ANSWER: **bats**

[10] To avenge the deaths of the Four Hundred Boys, the Hero Twins lured this eldest son of Seven Macaw into a canyon using a fake crab. Once there, the Hero Twins buried this figure under a mountain.

ANSWER: **Zipacna**

16. This son of Philip the Good sought recognition as a king from Emperor Frederick I in 1473. For 10 points each:

[10] Name this ruler who formed the League of the Public Weal against Louis XI, who joined Maximilian I in partitioning most of his duchy after his defeat at the Battle of Nancy.

ANSWER: **Charles the Bold** [or **Charles le Téméraire**]

[10] Charles the Bold was a duke of this region of south-central France. Today, this region is especially known for its wine.

ANSWER: **Burgundy**

[10] After winning at Montlhéry in 1465, Charles forced Louis to sign this treaty giving him control of Boulogne, Ponthieu, and Guines. It led to the dissolution of the League of the Public Weal.

ANSWER: Treaty of **Conflans**

17. At this location, which is described as a “heathen temple”, a character kisses another to avoid answering the question “Do you think we shall meet again after we are dead?” For 10 points each:

[10] Name this location where Angel Clare implores a group of men to “let [the title character] sleep” when they come to take her away to Wintonchester prison for stabbing her husband with a carving knife.

ANSWER: **Stonehenge**

[10] That scene occurs in *Tess of the D'Urbervilles* a novel by this English author of *Jude the Obscure*.

ANSWER: Thomas **Hardy**

[10] Clym Yeobright comes back to Egdon Heath in this Hardy novel, in which Clym vies with Damon Wildevve for the hand of Eustacia Vye.

ANSWER: *The **Return of the Native***

18. This man presented the formula “H = S + C + V” to describe the title concept in his 2002 work *Authentic Happiness*. For 10 points each:

[10] Identify this psychologist at the University of Pennsylvania who developed the concept of learned helplessness.

ANSWER: Martin **Seligman**

[10] Seligman theorized learned helplessness after discovering that these animals failed to escape avoidable shocks after repeatedly suffering unavoidable ones. These animals were more famously studied by Ivan Pavlov.

ANSWER: **Dogs**

[10] This theorist and usability engineer at UCSD examined whether modern-day fears of using technology or doing math are a result of learned or “taught” helplessness in his *The Design of Everyday Things*.

ANSWER: Donald **Norman**

19. Traditional signatures are overrated. For 10 points each, name some artists known for their more eccentric signatures.

[10] This American artist, known for painting his mother, incorporating his initials into the stylized image of a butterfly, in such works as his *Nocturne in Black and Gold: The Falling Rocket*.

ANSWER: James Abbott McNeill **Whistler**

[10] A medal that this artist of *The Glogow Madonna* received from Frederick the Wise inspired him to sign his paintings with the image of a winged serpent.

ANSWER: Lucas **Cranach the Elder**

[10] The spray-painted image of a crown was the preferred signature of this American graffiti artist associated with the SAMO group. This artist studied under Andy Warhol before dying of a heroin overdose at age 27.

ANSWER: Jean-Michel **Basquiat**

20. When the central element of these compounds is vanadium, they have an unusual tetrahedral shape. For 10 points each:

[10] Identify these compounds, which usually consist of a central atom sandwiched between two cyclopentadienyl ligands.

ANSWER: **metallocenes**

[10] The first metallocene synthesized, ferrocene, had an atom of this element at the center. This transition metal is the most common on earth.

ANSWER: **iron** [or **Fe**]

[10] This man, Wilkinson, and Fischer figured out the structure of ferrocene. He died before he could have won his second Nobel with Kenichi Fukui and an alphabetically-prior colleague.

ANSWER: Robert Burns **Woodward**