

2013 ACF Regionals: Transmitido en Quizbowlese (“This man while traveling through the woods found bathing in a stream the naked goddess Artemis”)

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1. This author created a character who loses his fiancée to Byron Henry and is unable to convince the State Department of the reality of the Holocaust. The cowardly order to drop a dye marker earns the nickname “Old Yellowstain” for a character he created who rolls steel balls in his hands while being cross-examined. That character created by him obsesses over an imaginary duplicate key he thinks was used to steal a quart of frozen strawberries. Victor “Pug” Henry predicts the Nazi-Soviet nonaggression pact in his novel *The Winds of War*. In a Broadway play excerpted from one novel by him, Barney Greenwald wins an acquittal for Stephen Maryk during a court-martial. In that novel by him, Willie Keith sails under the command of the tyrannical and incompetent Captain Queeg. For 10 points, name this American author of *The Caine Mutiny*.

ANSWER: Herman Wouk

2. This man's consulship was celebrated by a now lost poem which may have contained the quote “fortunate Rome, born with me as consul,” and this man lashed out at a rival when he read one of this man's personal letters in public. This man's brother fended off a siege of the Nervi under Ambiorix while serving as *legatus*, and this man himself served under Gnaeus Pompeius Strabo. This politician began his career as a *novus homo* from Arpinum and studied under Molon of Rhodes, and after his death Fulvia stabbed his tongue with a pin after his head and hands were nailed to the rostra. This man delivered a speech in the Temple of Jupiter Stator after intercepting letters with the Allobroges and revealing a plot to take over the city in 63 B.C. For 10 points, name this politician who foiled the Catilinarian conspiracy and was murdered at the behest of Marc Antony in 43 B.C, a famed Roman orator.

ANSWER: Marcus Tullius Cicero

3. This process causes the density matrix to change to the sum over n of the projection operator times the old density matrix times the projection operator. The outcomes of this process are positive eigenvalues of a Hermitian operator. Performing this process repeatedly can cause an unstable particle to stabilize in the Quantum Zeno effect. In the Copenhagen interpretation, this process causes a wavefunction to transform from having several eigenstates to a single eigenstate, a phenomenon called wavefunction collapse. According to the Heisenberg uncertainty principle this process performed on one conjugate variable decreases its accuracy for the other conjugate variable. For 10 points, name this process in which some quantity of a system is observed and determined.

ANSWER: measurement [or word forms; or reasonable equivalents, such as observation or looking at]

4. This text claims that because a certain figure “has no obstruction”, he “has no fear”, and it also asserts that all five aggregates are empty. The scholar Red Pine asserted that this text was specifically a response to Sarvastivadin teachings, and the monk Kukai wrote a notable commentary on it. Legendarily first delivered in a speech on Vulture Peak, it encourages Sariputra to summon Avalokitesvara, and it ends with the popular mantra “gone, gone, gone beyond, gone completely beyond.” Xuanzang created the standard Chinese translation of this text, which at only fourteen shlokas of thirty-two syllables each is much shorter than a similar one named for a diamond. For 10 points, identify this text of Mahayana Buddhism, named for the fact that it conveys the essence of Prajnaparamita, or perfect wisdom of compassion.

ANSWER: the Heart Sutra [or *Prajnaparamita Hrdaya*; or *The Heart of the Perfection of Transcendent Wisdom Sutra*; or Hannya Shingo; or Panya Shingyeong]

5. Queen Dowager Rosalie Gicanda died during this event. Pasteur Bizumungu briefly became president in the aftermath of this event before being ousted by his deputy. Jacques Roger Booh Booh was in charge of the diplomatic efforts of one group during this event. A military commander during this event went on to become a Canadian Liberal senator and write *Shakes Hands with the Devil*; that man is Romeo Dallaire. Because of restrictive rules of engagement, UNAMIR failed to implement the Arusha accords during this crisis, which started when President Habyarimana's plane was shot down. This event caused the Great Lakes Refugee crisis after it ended with the rise to power of RPF commander Paul Kagame, who seized Kigali. For 10 points, name this event in which Hutus perpetrated genocide of Tutsis in an African nation.

ANSWER: Rwandan Genocide [or Hutus commit genocide against Tutsis and equivalents before mention]

6. A collection of works by this author includes the hypothetical television media coverage of the landing of

Columbus and a parody of *Lolita* in which the narrator falls in loves with the elderly Granita. In one novel by him, love letters to Lady Lilia are written by a man tasked with discovering the secret of longitude named Roberto della Griva. In one novel by this author of *Misreadings*, the protagonist debates with a blind man as to whether Jesus Christ ever laughed and Venantius's corpse is found in a vat of pig's blood before Bernardo Gui's inquisition. This author, who wrote of a man who believes himself shipwrecked on the International Date Line in *The Island of the Day Before*, also wrote a novel in which Adso of Melk assists William of Baskerville in investigating a series of murders at a medieval abbey. For 10 points, name this Italian author of *The Name of the Rose*.

ANSWER: Umberto **Eco**

7. The facade of one building of this type consisted of a Doric colonnade with a central portal modeled on the Brandenburg Gate with surmounting eagles instead of horses, and the central room of that building was modeled on the baths of Caracalla. A photograph of a smashed caryatid lying in a landfill was a famous image of the destruction of that Beaux Arts building of this type, which occurred in 1963. That building of this type was designed by the firm of McKim, Mead, and White. Another building of this type includes Charles Basing's representation of the heavens on the concave ceiling of its main concourse, which includes a four-faced clock at its center, which is the classic focal-point meeting-place for strangers in New York City. For 10 points, name these buildings at 31st and 8th and 42nd and Park, one of which has a statue personifying "Transportation" and is known as "Grand Central."

ANSWER: **train stations** in New York City (accept obvious equivalents such as "**railroad termini**")

8. This body was once abolished on 19 March 1649 for being "useless and dangerous". One prestigious position in this body sits on a seat called the Woolsack. This body was the first to have a sergeant at arms position called the Gentleman Usher of the Black Rod. The Days of May were caused when Prime Minister Earl Grey failed to persuade William IV to expand the membership of this body. This body never actually debates Select Vestries after the Throne Speech, which is read in this body's chamber. Ever since the dissolution of the monasteries, the spiritual members of this body form a minority compared to the group of temporal members, most of whom are appointed life peers. For 10 points, name this body that serves as the United Kingdom's upper house in a complementary role to the House of Commons.

ANSWER: The House of **Lords** of the United Kingdom of Great Britain and Northern Ireland [prompt on **House**; prompt on **British Parliament** and **Parliament of the United Kingdom** of Great Britain and Northern Ireland and equivalents]

9. This organ unusually expresses the nonclassical MHC class I antigens HLA-E and HLA-G. Hofbauer cells are specialized macrophages of this organ. The ToRCH infections are capable of crossing this structure. Part of this non-plant structure contains the cotyledons, which are segments of the decidua basalis. This structure, which consists of cells fused together into a syncytium, is permeable to IgG antibodies. It is derived partly from trophoblast tissue and one portion of it is the chorion. It is responsible for exchanging gases and nutrients between fetal and maternal blood. For 10 points, name this structure that is expelled from the uterus after birth and connected to the umbilical cord.

ANSWER: **placenta** [prompt on cyto- or extravillous **trophoblasts**]

10. A poem set in one of these places spends a stanza lambasting the "cruel philosopher Zeno" and opens "this quiet roof, where dove-sails saunter by." This is the setting of a poem that implores the reader to "think of the autumns that have come and gone," refrains with leaves that "flying, plunge, and expire," and begins by mentioning how "row after row with strict impunity," the objects here "yield their names to the element." A seaside one is the setting of Paul Valery's masterpiece. And one of these is the setting of Allen Tate's most famous ode. A school of proto-Romantic poets named for their fondness for these settings was led by a man who mused that this place may house "some mute inglorious Milton," noting that the "paths of glory lead but to" here. For 10 points, name this sort of place, one of which was where Thomas Gray wrote his elegy.

ANSWER: **graveyard**s [or **churchyards**; or **boneyard**s; or **cemeteries**; accept "**grave**" only on last line buzz; accept the appending of "by the sea" and related answers for the first sentence]

11. In one work, this man called George Orwell "The Last Intellectual in Europe" and states that his work represents public cruelty, while the work of Nabokov is more indicative of private cruelty. This man gave the example of a child telling his father there are monsters under the bed to show how people dub beliefs irrational when they don't share a language between them. One of this man's works posits that people create a "final vocabulary" whose

contingency they ignore. In one major work, this thinker criticized foundationalist epistemology and criticized the problems studied by analytic philosophy as unproductive language games. For 10 points, name this American neo-pragmatist philosopher, the author of *Contingency, Irony, and Solidarity* and *Philosophy and the Mirror of Nature*.
ANSWER: Richard **Rorty** [do NOT accept “Richard Borty”]

12. This figure shows up as a harmless jeep driver in *Megamorphs 3: Elfangor's Secret*. This figure is an unnamed sergeant who accompanies a general visiting Irwin Morrell in Canada in the *Southern Victory Series* by Harry Turtledove. In that series, the fictional analogue of this figure is a man who ordered the assassination of Huey Long, Freedom Party leader Sergeant Jake Featherson. Robert Harris's *Fatherland* begins on the 75th birthday of this figure who is incapacitated by syphilis in Philip K. Dick's *The Man in the High Castle*. In a film appearance, this figure is represented by Adenoid Hynkel, the leader of Tomainia. This man throws some writing utensils on a map in a clip from a 2004 film that is commonly used to make parodies in which this figure discovers such events as his being banned from Xbox Live; that film is *Der Untergang*, or *The Downfall*. For 10 points, name this man parodied by Charlie Chaplin's *The Great Dictator*, a leader of Nazi Germany.

ANSWER: Adolf **Hitler**

13. This character is annoyed that her future husband calls her Demeter and Artemis. Her wedding day is marred by the bad omen of a cock crowing in the afternoon. This character finds a group of pheasants wounded in a hunt, and breaks their necks out of mercy. When this character falls asleep while driving, her family's horse, Prince, is killed in a collision with a mail-cart. While sleepwalking, this character's husband carries her to an abbey and lays her in a coffin. A murder she commits causes a heart-shaped bloodstain to spread on the ceiling of Mrs. Brooks's room. This character works with Retty and Izz as a milkmaid for Dairyman Crick. She bears a child named Sorrow from an affair with Alec, and her marriage to Angel Clare is ruptured by her status as a fallen woman. For 10 points, name this title heroine of a Thomas Hardy novel.

ANSWER: **Tess** Durbeyfield [or **Tess** of the D'Urbervilles]

14. At his death, this man left a work depicting several scenes from Balzac's *The Unknown Masterpiece* unfinished, and he also painted a series depicting scenes from James Joyce's *Ulysses*. This man created a series of three diptychs about The Troubles called *The Subject*, *The State*, and *The Citizen*, the last of which depicts Bobby Sands as Jesus. Another one of this man's paintings shows a poster with the letters A-L-D-S arranged like Robert Indiana's LOVE sculpture in the background, and shows an accountant sitting at a desk on the left. One work by this member of the Independent Group shows a woman on the left sitting on a grey couch with her hand on her hair, while a buff almost-nude male stands in front of a staircase on the left holding a large tootsie pop. For 10 points, name this British artist, who created the collage *Just What is it That Makes Today's Homes So Different, So Appealing?*

ANSWER: Richard **Hamilton**

15. The catalyst in this process is flushed through a vertical pipe called a riser. Hydrogen sulfide is removed from the outcome of this process using hydrodesulfurization. The currently used method of this process uses Y zeolites. Vacuum flashing is used with this process. Shukov invented an early version of this process, whose side products include coke. Its currently used type is the fluid catalytic version. Common outputs of this process include LPG and naphtha. It occurs in pyrolysis chambers within refineries. For 10 points, name this process by which long hydrocarbons are broken down into smaller ones, commonly used in the processing of petroleum.

ANSWER: fluid catalytic **cracking** [prompt on fractional **distillation**]

16. One widely publicized photo of the aftermath of this clash showed Thomas E. Davis setting fire to a shack. An order not to cross a bridge prior to it was waved off by a man who did not wish to be “bothered by people coming down and pretending to bring orders.” Pelham Glassford, a chief of police whose forces had bricks thrown at them in a riot that preceded it, proved that the Attorney General had lied about a central group being led by communists. The only fatality during this clash was a baby who inhaled tear gas. This event, which included officers like Smedley Butler and took place in Anacostia Flats, dispersed the largest Hooverville and ended with the suppression of a group led by Walter Waters by the army under Douglas MacArthur. For 10 points, name this 1932 skirmish involving WWI veterans who marched on DC out of a desire to cash-in their namesake certificates.

ANSWER: Suppression of the First **Bonus Army** [accept **BEF**, **Bonus March**, or **Bonus Expeditionary Force** for “Bonus Army”; accept alternatives for “suppression” such as “attack,” “rout,” etc.; accept Battle of **Anacostia Flats** before mentioned]

17. One anecdote in this text relates a dispute between a man and an elephant who forced him out of his hut into the rain, which ends with the man burning the hut with all the jungle lords inside. This work chronicles a belief that nine daughters married nine handsome men to create different clans, and also mentions sex acts without full intercourse called *ngweko*. It claims that the opportunity for scientific training must be given in order to properly understand the custom of *irua*. This book was published in 1938 after its author studied at the London School of Economics, and in its preface he claims to “speak as a representative of my own people.” This text which controversially discusses female circumcision, is endorsed by a competent “trained Western scholar” in an introduction written by Bronislaw Malinowski. For 10 points, identify this anthropological study of the Gikuyu people, written by Jomo Kenyatta and named for a peak in his nation.

ANSWER: **Facing Mount Kenya**

18. The Dirichlet series of this function is equal to the Riemann Zeta function of s minus one divided by zeta of s . A conjecture by Carmichael about this function concerns the multiplicity of its outputs. If this function of n is equal to a power of two, it is possible to construct an n -gon. This function of the order of a finite cyclic group gives its number of generators. The asymptotic average of it over its input, which is about six over π squared, gives the probability that a random integer will be squarefree. This function is equal to the sum over d divides n of the Mobius function times n over d . b to the power of this function of m is congruent to one mod m in a generalization of Fermat's little theorem. For a prime p , it returns p minus one. For 10 points, name this function that returns all positive integers less than and relatively prime to its input and is sometimes named for a Swiss mathematician.

ANSWER: Euler's **totient** function [or Euler's **phi** function]

19. One member of this group had a pair of sons who were depicted on the throne of Amyclae and were named Anaxias and Mnasiyas. Some stories claim that they invented a ritualized banquet to which the gods were invited known as the *theoxenia*, while ancient Greek sailors associated them with Saint Elmo's fire. In one adventure, they were aided by the informer Academus, after which they set up the usurper Menestheus on the throne and abducted Phisadie and Aethra. In another story, they married the Leucippides after killing Lynceus and Idas. One of them defeated the Bebrycean king Amycus in an athletic contest during their time with the Argonauts. Known for their skill as horsemen and boxers, they were raised by Tyndareus and, after one of them died, agreed to split their immortality. Their sisters were Clytemnestra and Helen of Troy. For 10 points, identify these sons of Leda, a pair of twin warriors.

ANSWER: the **Dioscuri** [or **Castor** and **Pollux**; or the **Gemini**; or the **Castores**; accept **Polydeuces** for “Pollux”; accept the **Tyndarides** until “Tyndareus” is read; accept the **Leucippides** (or **Hilacteria** and **Phoebe**) until “banquet” is read; prompt on “the Argonauts” or “the children of (Zeus or Tyndareus and) Leda”]

20. One work by this composer includes five different settings of the hymn “*O Haupt voll Blut und Wunden*”. Four individual compositions by him were compiled into the P180 manuscript, which is a copy of a piece that includes a chorus derived from his “*Weinen, Klagen, Sorgen, Zagen*”. In one work by him, the chorus divides antiphonally and asks “Whom?” and “How?” in response to the command “See Him”. One work by him includes violin obbligato in D major accompanying a duet for two sopranos in its second movement “*Christe eleison*” and also includes a symmetrical “*Symbolum nicenum*” with a crucifixion in the center. One work by this composer opens with “*Kommt, ihr Töchter, helft mir klagen*” and features a “halo” effect in the strings whenever Jesus sings. For 10 points, name this German Baroque composer of *Mass in B minor* and the *St. Matthew Passion*.

ANSWER: **Johann Sebastian Bach** [prompt on “Bach”]

Tiebreaker. The chairman of this country's Communist Party was dismembered with a chainsaw while its military dictator listened on the phone, and a different military dictator of this country ordered his 70-year-old mother flogged in public after he learned he'd been born out of wedlock. Following civil unrest between tenant farmers and landowners and an extra-constitutional action in this country's senate, Fernando Lugo was overthrown as president of this country in 2012. The most vilified leader of this country was a paramour of Eliza Lynch who shouted “I die with my nation!” at the Battle of Cero Cora. The likely victory of Horacio Cartes in this country's upcoming presidential election would return power to the major 20th century party in this nation, once led by Alfredo Stroessner. For 10 points, name this South American country which Francisco Solano Lopez led into the War of the Triple Alliance, with capital Asuncion.

ANSWER: **Paraguay**

John Bockelson and Bernhard Knipperdolling led an uprising in this city in 1534, overthrowing the Protestant Prince-Bishop Franz von Waldeck. For 10 points each:

[10] Name this German city, which was retaken by forces of the Schmalkaldic League, after which the leaders of the uprising were suspended in cages from the cathedral. Which are still there.

ANSWER: **Munster**

[10] Bockelson and Knipperdolling were members of this protestant group, more radical in their rejection of the Catholic sacraments than Luther and his supporters. Mennonites and Hutterites are offshoots of this group.

ANSWER: **Anabaptists**

[10] The spread of Anabaptism in Europe corresponds geographically and temporally to the spread of this practice in the late sixteenth century, which was the preferred means of terrorizing the peasantry into mainstream protestantism. The *Malleus Maleficarum* is a handbook for this practice.

ANSWER: **witch trials** [accept any and all close equivalents; prompt on just “**witchcraft**” since it’s, you know, not real]

Like neutral B mesons, these particles can oscillate between several different flavors. For 10 points each:

[10] Name these neutral particles with a very small mass that only interact via the weak force. They were detected by Cowan and Reines using giant tanks of chlorine.

ANSWER: **neutrinos**

[10] There exist three flavors of neutrinos: electron, muon and this third flavor.

ANSWER: **tau** neutrino

[10] The neutral versions of these particles undergo an oscillation studied by Gell-Mann and Pais. These particles are mesons that carry strangeness.

ANSWER: **kaons** [or **K** mesons]

This artist’s *Interior with Goldfish* and *Interior at Nice* both feature open windows with distant views and large, monochrome panels framing the indoor space. For 10 points each:

[10] Name this innovative 20th century colorist, who has a less complex depiction of some furniture in front of a more famous work in *Nasturtiums with the Painting ‘Dance.’*

ANSWER: Henri **Matisse**

[10] Matisse has many works in this genre, including one after Jan de Heem’s *La Desserte* that features a lute and an ornamented vase topped by a perching bird and another painting in this genre with anemones, a yellow curtain, and fruit. They often feature foodstuffs, and/or containers of foodstuffs.

ANSWER: **still life**

[10] This almost pointillist exterior work by Matisse is based on the motif in a Baudelaire poem. A group of nudes is arranged around a picnic blanket on a beach at sunset, with a de-rigged sailboat in the middle ground.

ANSWER: **Luxe, Calme, et Volupté** (or **Luxury, Calm, and Pleasure**)

This character describes how one could bed Hermelinda for two hours by tossing a coin into her vagina, thereby winning a game of “Toad’s Mouth.” For 10 points each:

[10] Name this Scheherazade-like title character of a namesake novel who narrates many fanciful tales to her lover Rolf Carle as they lie in bed together. She is the daughter of Consuelo and a snakebitten gardener.

ANSWER: **Eva Luna** [accept either name]

[10] *Eva Luna* was written by this Chilean novelist, the author of *The House of the Spirits*.

ANSWER: Isabel **Allende** (Llona)

[10] In *Eva Luna*, Zulema seduces her husband Riad’s young cousin, who has this name, killing herself after he runs away. The youngest son of the central family in Mahfouz’s *Cairo Trilogy* also has this first name.

ANSWER: **Kamal** [or **Kamel**]

This agreement was undermined two months later by the 1935 Anglo-German Naval Agreement. For 10 points each:

[10] Name this agreement in which Pierre Laval, Ramsay Macdonald, and Benito Mussolini committed their countries to contain Germany and support Austria.

ANSWER: **Stresa Front** [or **Final Agreement of the Stresa Conference**]

[10] The Stresa Front was meant to reinforce this series of 1925 treaties that fixed Western European borders, but declared Eastern European ones as subject to revision.

ANSWER: **Locarno** Treaties

[10] The British delegate at Locarno, Austen, shared this surname with a half brother, Neville, who won “peace for our time” by appeasing Hitler at Munich. Whoops.

ANSWER: **Chamberlain**

One classification of this type of rock sorts them by the type of feldspar present. For 10 points each:

[10] Name this type of rock formed by the cooling of magma.

ANSWER: **igneous** rocks

[10] This is the general term given to intrusive igneous bodies, which form when magma cools and crystallizes within the crust.

ANSWER: **plutonic** rocks [reverse prompt on **batholiths**, **sills**, **laccoliths**, **dikes** or **stocks**]

[10] This type of pluton, which includes sills and laccoliths, has boundaries that parallel the layering in the intruding rock

ANSWER: **concordant** [do not accept "discordant"]

This country is currently seeing a conflict for the Azawad regions, which groups like the MNLA hoped to establish as a homeland for the Touareg people.

[10] Name this African nation where rebels currently control cities like Doutenza and Gao.

ANSWER: **Mali**

[10] This German car company took a heavy PR hit because one of their large SUVs carries the name of the Touraeg tribes and are planning to rename the car for the 2014 year.

ANSWER: **VW** or **Volkswagen**

[10] It's certainly not a great time to be in Mali right now, but it's still better than hanging out across the border in Mauritania, where about one-fifth of the population is estimate to experience this status – mainly as a result of their *haratiin* ancestry.

ANSWER: **Slaves** [accept equivalents]

Some myths describe them as descendants of Apollo and Stilbe, though most claim that they are the children of Ixion and Nephele. For 10 points each:

[10] Identify these creatures from Greek mythology, noted for being half-man and half-horse. The best among them was usually held to be the wise teacher and healer Chiron.

ANSWER: **centaurs** [or **hippocentaurs**; prompt on “Ixionidae”]

[10] To stop his attempted abduction of Deianeira, Heracles shot this centaur with an arrow poisoned with Hydra blood. This jerk got his revenge by tricking Deianeira into giving Heracles a shirt covered in his poisoned blood, which killed him.

ANSWER: **Nessus** [or **Nessos**]

[10] Both centaurs who bore this name were jerks--one of them was killed by Heracles after threatening King Dexamenus's daughter, while the other sparked a war with the Lapiths after attempting to abduct Pirithous's bride.

ANSWER: **Eurytion** [or **Eurythion**; or **Eurytus**]

The solo violin in this piece has been re-tuned so that the A – E-flat tritone can be played on open strings. For 10 points each:

[10] Name this symphonic poem that depicts Death calling forth the dead from their graves by playing the fiddle. It is based on a poem by Henri Cazalis.

ANSWER: **Danse Macabre**, *Op. 40*

[10] *Danse Macabre* is by this French composer of *The Carnival of the Animals*.

ANSWER: Camille **Saint-Saëns**

[10] Light, airy melodies by Mendelssohn and Berlioz are played in lumbering fashion on this instrument, accompanied by piano, in the movement “The Elephant” from *The Carnival of the Animals*.

ANSWER: double **bass** [or string **bass**; or upright **bass**; or **bass** fiddle; or **contrabass**, or **bass viol**; or **bull fiddle**]

This proposal was partly shot down by a desire to maintain the White Australia Policy. For 10 points each:

[10] Name this proposed amendment to Article 21 of the Covenant of the League of Nations. The nation that introduced it wanted to be recognized as an equal colonial power.

ANSWER: **Racial Equality** Clause [accept alternatives to “clause” such as “proposal”, “amendment”, etc.]

[10] The failure of the Racial Equality Clause hurt the alliance between this country and Great Britain, whom it subsequently fought during World War II over the territories of Hong Kong and Singapore.

ANSWER: Empire of **Japan** [or **Nihon** or whatever if you've got to deal with anime fans in your room]

[10] Japan's gains as a result of its British alliance included the city of Tsingtao on this peninsula, the site of the German concession territories, that like the Liaodong Peninsula played a key role in Chinese colonial history.

ANSWER: **Shandong** [or **Shantung**]

This technique is often combined with gas chromatography in order to separate the constituent species of a sample before subjecting them to further analysis. For 10 points each:

[10] Name this technique in which the identity of a chemical species is determined by fragmenting it and measuring the mass-to-charge ratio of the fragments.

ANSWER: **mass spectrometry**

[10] This is the tallest peak in a mass spec readout, to which all other peaks are normalized.

ANSWER: **base** peak

[10] This detection method is often used alongside MALDI in a form of mass spec used for protein identification. It uses an electric field and a combined kinetic energy and velocity equation.

ANSWER: **TOF** [or **time-of-flight**]

Answer the following about everyone's favorite coked-out Slovene, Slavoj Žižek, for 10 points each:

[10] In a 2006 New York Times op-ed, Žižek called this “a legacy worth fighting for,” citing how many adherents of it speaking out in favor of religious freedoms for Muslims. It is espoused in Russell's *Why I Am Not a Christian*.

ANSWER: **atheism**

[10] Žižek was heavily influenced by this impenetrable French psychoanalyst who collected many writings in *Écrits* and postulated the mirror stage.

ANSWER: Jacques Marie Emile **Lacan**

[10] Žižek has been criticized for holding that this phenomenon has intrinsic value. Pierre Bordieu regarded the self-interested tendency to ignore the arbitrariness of the social order as the “symbolic” form of it.

ANSWER: **violence**

When one character in this novel curses after cutting his thumb, another character supplies him with an excommunication document with which to supplement his curses. For 10 points each:

[10] Name this comic novel by Laurence Sterne, whose title character suffers an accidental circumcision while urinating out a window when the sash falls on his penis.

ANSWER: *The Life and Opinions of **Tristram Shandy**, Gentleman*

[10] In one scene, Tristram gives a needlessly detailed description of the posture of this character as he delivers a blasphemous sermon on conscience. This real name of this manservant to Uncle Toby is James Butler.

ANSWER: Corporal **Trim**

[10] Another character in Tristram Shandy, Slop, is a member of this profession. A man using the name Tod Friendly holds this profession in Martin Amis's *Time's Arrow*.

ANSWER: **doctor** [accept obvious equivalents like “the medical profession”]

At one point, this character believes his brain is melting because of curds placed in his helmet. For 10 points each:

[10] Name this character who names Sancho Panza as his squire and tilts at windmills he believes to be giants.

ANSWER: **Don Quixote** de La Mancha [or **Alonso Quijano**]

[10] At one point, Don Quixote believes that a barber's wash-basin is actually the helmet of this Moorish king. The powers of this king's helmet to grant invulnerability are detailed in *Orlando Furioso* and *Orlando Innamorata*.

ANSWER: **Mambrino**

[10] This author wrote a parable that suggests that Sancho Panza is the true author of *Don Quixote*. Another parable by this author describes a man waiting for years for access to the law by a door guarded by a gatekeeper.

ANSWER: Franz Kafka

Name some choreographers that did work on Broadway, for 10 points each.

[10] This director-choreographer led the original productions of *Sweet Charity* and *Chicago*, both of which featured his wife Gwen Verdon. He later directed the film version of *Cabaret*.

ANSWER: (Robert Louis) “Bob” Fosse

[10] This choreographer of *Fall River Legend* and *Rodeo* also choreographed the Rodgers and Hammerstein shows *Oklahoma* and *Carousel*.

ANSWER: Agnes de Mille

[10] This choreographer collaborated with director Harold Prince on the Stephen Sondheim shows *Follies* and *Company*, but is perhaps best known for his choreography of the number “One” from *A Chorus Line*.

ANSWER: Michael Bennett

Many of these individuals were drawn from supporters of John Bell in the election of 1860. For 10 points each:

[10] Identify this term for white southerners who joined either the occupied or Reconstruction governments of the South, often contrasted with non-Southerner “carpetbaggers.”

ANSWER: scalawag

[10] This confederate commander, who was wounded at the Battle of the Wilderness and known as Lee's “Old War Horse,” was a scalawag. He commanded black troops during civil unrest in New Orleans in 1875, fled, and subsequently served as US Ambassador to the Ottoman Empire.

ANSWER: James Longstreet

[10] Scalawags are generally vilified by this historiographical school, which views Reconstruction as disastrous. This school, named for an influential Columbia historian, was lambasted by a different and better one in Eric Foner, who claimed this school was unable to confront the political agency of African Americans.

ANSWER: Dunning School (the man’s name is William Archibald Dunning)

Early events in the history of this body included the circulation of a letter written by Dahlem Church pastor Martin Niemöller after the Prussian Synod, and a meeting at Bishop Wurm's cathedral. For 10 points each:

[10] Identify this movement which issued the Barmen Declaration and opposed Nazi influences on German Protestant churches.

ANSWER: the Confessing Church [or die Bekennende Kirche]

[10] This German theologian was the primary author of the Barmen Declaration. He may be better known for his massive tome *Church Dogmatics*.

ANSWER: Karl Barth

[10] One of Karl Barth's earliest works was a commentary on this Pauline epistle, which contains the line “for the wages of sin is death, but the gift of God is eternal life” and opposes the Imperial cult in the namesake city.

ANSWER: Epistle to the Romans

Identify some regions in Asia which have been the subject of boundary disputes, for 10 points each.

[10] This buffer runs along the 38th parallel and separates North Korea from South Korea. Panmunjom is the site of the Joint Security Area within this buffer.

ANSWER: Korean DMZ [accept Korean Demilitarized Zone]

[10] The seizure of islands by China in this body of water have been the cause of frequent hostilities. The islands of Quemoy and Matsu lie in this body of water, as do the YiJiangshan and Dachen island groups.

ANSWER: Taiwan Strait [accept Formosa Strait]

[10] This line of demarcation represents China's claims to territories within the South China Sea. The inclusion of the Spratley Islands within this line is a point of consternation to the five other countries claiming the islands.

ANSWER: Nine-dotted Line [accept Nine-dash map or U-shaped line]

For 10 points each, answer these questions about a gonadal hormone and its production.

[10] This androgen is the primary sex hormone in male humans. It causes enlargement of the sebaceous glands and increases in body odor and hair.

ANSWER: testosterone

[10] The biosynthesis of testosterone begins when an oxidase cleaves the sidechain of this molecule to give

pregnenolone. This molecule is also a precursor to all of the estradiols.

ANSWER: cholesterol

[10] Testosterone is usually not sent freely throughout the bloodstream to its cellular targets, but is attached to SHBG, an example of this type of modified protein that comes in N- and O- varieties.

ANSWER: glycoproteins

The speaker of this poem is confronted with proofs and figures that “were ranged in columns”. For 10 points each:

[10] Name this poem that juxtaposes the “lecture-room,” where the speaker becomes unaccountably “tired and sick” with the “mystical moist night-air” through which he looks “in perfect silence at the stars.”

ANSWER: “When I Heard the Learn’d Astronomer”

[10] “When I Heard the Learn’d Astronomer” appears in this poetry collection by Walt Whitman. Other works in it include “Crossing Brooklyn Ferry” and, in later editions, “When Lilacs Last in the Dooryard Bloom’d.”

ANSWER: *Leaves of Grass*

[10] In this poem from *Leaves of Grass*, the speaker assumes the role of a “sloven” auctioneer to praise the male and female versions of the title object and in another asks “if [the title thing] were not the Soul, what is the Soul”?