

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. Gunther Schuller founded an ensemble at the New England Conservatory to play works of this composer that were collected in the Red Back Book. This composer collaborated with his student Arthur Marshall on the piece “Swipesy”. His music inspired Joseph Lamb to write “Sensation”. One piece by him instructs the pianist to stamp the floor during its “Stop-Time” section. John Stark published many pieces by this composer, including a piece inspired by Teddy Roosevelt’s speeches, “The Strenuous Life”, and a re-issue of his “The Easy Winners”. Many of his works were adapted by Marvin Hamlisch for the soundtrack of *The Sting*. One of his pieces is thought to be named for a club in Sedalia, Missouri. For 10 points, name this composer of “The Entertainer” and “The Maple Leaf Rag” dubbed “The King of Ragtime”.

ANSWER: Scott Joplin

2. This man kneels with Raphael before the throne of art in a Franz Pfaff painting from the Nazarene school. One of this man's own works shows a ball with the letters OGH written on it above four nude women. This artist painted a portrait of his mother holding a rosary, which is often grouped together with a similar portrait of his father. This artist of *The Four Witches* also painted *The Holy Family with the Dragonfly* and a study of a pair of praying hands. His realistic watercolor paintings of nature include *Young Hare* and the botanically-improbable *Great Piece of Turf*. This creator of a fifteen-work series on the Book of Revelation created a work in which Death holds an hourglass while one of the other title figures rides by on a horse, as well as one which features a prominent magic square. For 10 points, name this German woodcut artist behind *Knight, Death and the Devil* and *Melencolia I*.

ANSWER: Albrecht Dürer

3. Since one enzyme that helps metabolize this molecule is coded for a gene located near DAX1, people with a deficiency in that enzyme can exhibit adrenal hypoplasia congenita or Duchenne muscular dystrophy. DHAP is dehydrogenated to a phosphate attached version of this molecule in an alternative to the malate-aspartate shuttle for moving electrons into the interior of the mitochondria. MGL is an enzyme that cleaves a variable substituent from this molecule as part of a process whose limiting step is HSL mediated hydrolysis. This molecule is combined with an alkyl chain, an acetate, and a choline derivative to form platelet activating factor. Stocks of bacteria are usually made using a mixture of this molecule and water and then frozen. Molecules of fat consist of three fatty acids ester linked to this compound. For 10 points, name this compound that makes up the backbone of phospholipids.

ANSWER: glycerol [or glycerine]

4. One ruler of this dynasty mandated that shops could only be open at night, dogs had to be executed because of their incessant barking, and that Christians had to hang bells from their necks. Jawhar the Sicilian commanded this dynasty's forces during their African conquests. This dynasty faced a rebellion from a donkey-riding vagrant named Abu Yazid. This dynasty split because of a power struggle between Nizal and al-Musta'li, both sons of al-Mustansir. The Druze venerate the most mentally-unbalanced ruler of this dynasty, Al-Hakim. This dynasty ruled from the city of Mahdia before founding a city known as “The Victorious” on the site of al-Fustat; that city is modern-day Cairo. For 10 points, name this dynasty that ruled an Ismaili caliphate based out of Egypt, named for a daughter of Muhammad.

ANSWER: Fatimid dynasty [or Fatimid caliphate]

5. One of this man's daughters was trampled to death by horses on the orders of her jealous husband Ermanaric. An old man helped this figure select a horse at the river Busiltjörn. One myth describes him as a prince of Xanten whose only weakness is a spot on his back where a linden leaf had landed. He killed one foe after hiding in a trench dug to catch that figure's blood, a taste of which caused him to learn the language of the birds. This grandson of Eylimi and

son of Hjordis was eventually killed by Guttorm. He owned Grani and inherited sword fragments from his father, which were reforged by his foster father Regin. This man married Gudrun after a magical ale allowed him to forget Brynhild, but may be most famous for using his father's sword Gram to kill the dragon Fafnir. For 10 points, name this Norse hero of the *Volsung Saga*, the son of Sigmund.

ANSWER: Sigurd [or Siegfried; or Sivard Snarensven; or the noble hart (if you are Fafnir)]

6. In one of his plays, one character believes the word "paradox" is actually the phrase "what a parrot talks". In one play by him, two characters, who argued during a rally about whether to aid Catholic Belgium, use a perambulator to loot stores together during an uprising. A character who claims to be going off butterfly collecting leaves a sack full of bombs in one of his plays. The ghost of Robert Tancred keeps appearing to the armless Johnny who betrayed him in one of his plays. In one play by him, Minnie Powell takes the blame after Donal Davoren poses as the title character. In another play by him, Nora becomes delirious after Jack Clitheroe is shot. This playwright of *The Shadow of a Gunman* also created the preening Captain Jack Boyle. For 10 points, name this Irish playwright of *The Plough and the Stars* and *Juno and the Paycock*.

ANSWER: Sean O' Casey

7. The group named for this physicist is one of the simplest examples of sub-Riemannian geometry. This man proposed a thought experiment which involves a microscope that uses high-energy gamma rays. This man proposed that the proton and neutron were different states of the nucleon, leading to the concept of isospin. The best known statement of this man was formalized by Earle Hesse Kennard and Hermann Weyl. Independently of John Archibald Wheeler, this man developed a construct that relates initial and final states of a system undergoing scattering, which is the *S*-matrix. With Born and Jordan, he introduced the matrix formulation of quantum mechanics. One of his best known statements limits the precision with which the position and momentum of a particle can be known simultaneously. For 10 points, name this German physicist who developed a namesake uncertainty principle.

ANSWER: Werner Karl Heisenberg

8. The only confirmed specimen of the false potto was found in this country. This country contains the Dja Faunal Reserve and Waza National Park. The Bamileke are one of the largest ethnic groups in the nation. Lake Lagdo here was created by the damming of one its rivers. Mount Etinde is a subpeak of this country's namesake volcano. Garoua is the The Benue River arises in this country. Douala is the major port of this country, whose Lake Nyos experience a major limnic eruption that led to significant local animal kills. Equatorial Guinea borders this country to the south and Nigeria is to its west. For 10 points, name this African nation with capital at Yaoundé.

ANSWER: Republic of Cameroon

9. The counties of Caldwell and Daviess were created for this group after its members were expelled from Clay County. This group was officially designated as state enemies in a decree by Missouri governor Lilburn Boggs. One member of this group, Parley Pratt, was murdered in Arkansas by the Fanchers, while Sidney Rigdon gave an oration about a "war of extermination" against them. John Lee and Isaac Haight organized a militia of this group, which was aided by Paiute Indians in an 1857 attack on a wagon train. One leader of this group ordered the closing of a newspaper called the *Expositor* and was lynched in a local jail with his brother Hyrum. Following that, this group left Nauvoo and went on a "great migration" to the west. The Mountain Meadows Massacre was perpetrated by, for 10 points, what American religious group whose leaders included Joseph Smith and Brigham Young?

ANSWER: Mormons [accept word forms; accept Church of Jesus Christ of Latter-day Saints or LDS]

10. The speaker of one poem by this author looks to where he can "catch the gleaming of a random light" that indicates that the title entities are moving "out of sight and sound". In another poem, he told his addressees to be proud because "Thy name is writ on Glory's scroll / In characters of fire". People use an object that "grins and lies" so as to "let the world dream otherwise" in one of his poem by this author of "Ships That Pass in the Night". This author of "We Wear the Mask" wrote a poem in which old scars "pulse again with a keener sting" as the title animal beats his wings on the bars. That poem by this man

is the source of the title of a Maya Angelou autobiography, *I Know Why the Caged Bird Sings*. For 10 points, name this African-American poet who wrote “Ode to Ethiopia” and “Sympathy” .

ANSWER: Paul Laurence Dunbar

11. This composer quoted his own hymn *Sine Nomine* and music from the “House Beautiful” scene of one his operas in the Passacaglia finale to his Fifth Symphony. The finale of his Third Symphony opens with a wordless soprano singing over timpani. An Intermezzo based on the tune “My Bonny Boy” joins the march “Seventeen Come Sunday” in his *English Folk Song Suite* for military band. Excerpts from Captain Scott’s journal can be read by a narrator in the Epilogue to his seventh symphony, the *Sinfonia Antartica*. A pentatonic melody for violin represents the title bird in a work by him inspired by a George Meredith poem. He arranged a tune falsely attributed to Henry VII in his opera *Sir John in Love*. For 10 points, name this composer of *The Lark Ascending* and *Fantasia on Greensleeves*.

ANSWER: Ralph Vaughan Williams

12. This process is occurring in tandem with hypercapnia. This process raises the CCD. This process can be depicted on a Bjerrum plot. Scientists studying this process make use of the Revelle factor. This process will require the use of a protective organic coating known as a periostracum. This process will likely affect the structure and behavior of otoliths. This process results in a decrease in the concentration of aragonite, which will have a negative impact on pteropods. This process exacerbates the thermal effects that lead to coral bleaching. This process is occurring due to the fact that H₂CO₃ decomposes into bicarbonate and a proton. For 10 points, identify this process in which the uptake of carbon dioxide from the atmosphere is decreasing the pH of the Earth's waters.

ANSWER: ocean acidification [prompt on an increase in the amount of dissolved inorganic carbon, DIC, TIC, CT carbonic acid or carbon dioxide in the oceans; prompt on global warming]

13. Alfred Gilman injected these animals with salt and urea to study the causes of thirst. One of these creatures named Rico has been used as evidence for the fast mapping method of language acquisition. The Scott-Fuller investigation was a 20 year study of the behavior of these animals. In one experiment, these animals were placed in a shuttle box with a barrier on one side of which electric shocks would be administered. In that experiment by Seligman, the members of this species already conditioned to the shocks showed signs of learned helplessness. In another experiment, these animals had their esophagi cut and food placed directly into their stomachs. For 10 points, name these animals that were conditioned to salivate when Pavlov rang a bell.

ANSWER: dogs [or canines]

14. Upon returning to her old apartment building, a former prostitute in this novel encounters an old woman who subsists on raw hens and cabbage. One character in this novel is killed when he is kicked in the thigh with a stiletto heel by a woman whose breast he fondled. That character in this novel helps a man back to his house, only to steal his car afterwards. An unnamed old man with an eyepatch owns a radio in this novel. Female sex slaves are demanded as payment for food rations by the head of Ward Three, before he is stabbed in the neck with scissors by one character in this novel. The government forces characters like the girl with dark glasses and an ophthalmologist and his wife into a compound at this novel’s start, after a man doesn’t move at a stoplight. For 10 points, name this novel about an epidemic of the title “white sickness” by Jose Saramago.

ANSWER: Blindness [or *Ensayo sobre a cegueira*]

15. This ruler’s brother’s marriage to Joan of Toulouse was one provision of a treaty which he signed with Raymond VII, Count of Toulouse. That treaty, known variously as the Treaty of Paris or the Treaty of Meaux, was engineered by this ruler’s mother, who was the daughter of Alfonso VIII. He convened a trial of the Talmud and ordered the burning of thousands of copies of it. This ruler published a law code known as the *Etablissements*, while his brother Charles of Anjou ruled Sicily from 1266 until his deposition in the Sicilian Vespers. Jean de Joinville recounts that

he may have died of plague near Tunis after being accompanied by Margaret of Provence in capturing Damietta during the Seventh Crusade. For 10 points, name this member of the House of Capet, the only French king to be canonized.

ANSWER: Louis IX [or Saint Louis; accept Charles I of Sicily or Charles of Anjou before “signed”]

16. Krox-20 is required for these cells to function. Tumors composed of these cells exhibit Antoni A and Antoni B patterns. These cells are responsible for forming a Remak bundle. These are the primary cells that express the proteins P0 and PMP22; mutations in the genes that encode those proteins can cause Charcot-Marie-Tooth disease. The differentiation of these cells is controlled by endothelin and neuregulin-1. Following Wallerian degeneration, these cells can dedifferentiate. These cells are associated with only one internodal segment. These cells are derived from the neural crest. Although found in a different part of the body, these cells serve in the same role as oligodendrocytes. For 10 points, name these neuroglial cells that myelinate the nerves of the peripheral nervous system.

ANSWER: Schwann cells [or neurolemmocytes]

17. One section of this work asserts that if there was no alternation between sleeping and waking, the tale of Endymion would have no meaning. This work contains a discussion of how we have never truly perceived things that are equal, which is called the Imperfection Argument. The opening of this dialogue sees one character attempting to make Aesop’s fables into verse with his wife Xanthippe. The title character of this dialogue is a native of Philus, a Pythagorean community. One character in this work uses the argument that because wet is the opposite of dry, there must be an afterlife, and claims that philosophy is the preparation for death. Other characters in this dialogue include Cebes and Simmias, the latter of whom has brought a bribe after Crito’s earlier failure to convince Socrates to flee captivity. For 10 points, name this Platonic dialogue, the final work about the last hours of Socrates.

ANSWER: Phaedo

18. A Japanese ritual centering on one of these events involves pouring hydrangea tea on a statue of the Buddha. In the Middle Ages, St. Martin’s Feast began a 40-day preparatory period for a holiday centering on one of these events. Another ritual based on one of these events contains the ceremony of the last doll and sees the central figure surrounded by seven damas and seven chambelanes. The “Burda” and “Hamziyya” poems are recited on an Islamic holiday based on one of these events called Mawlid. Ashkenazis hold a gathering called Shalom Zachar on the first Friday following one of these events. Another holiday commemorating one of these events occurs twelve days before Epiphany. In Judaism, roughly half of these events are followed eight days later by a mohel’s performance of a bris. For 10 points, name these events, which Christians commemorate for Jesus on December 25th.

ANSWER: birthday celebrations [or nativity; reverse-prompt on quinceañera after “last doll”]

19. One of this man’s novels ends with gelignite being used to destroy a family car business and centers on a character who lives in a basement full of preserved reptiles, the self-styled angel Benny Catchprice. Olivier de Garmont and his English servant, Parrot, each comment on the memoirs the other is writing in a recent novel by this author. In one novel by this author of *The Tax Inspector*, the snake-dancer Leah Goldstein has a relationship with a character who claims to be 139 years old named Hebert Badgery. He drew heavily on the style of the Jerilderie Letter for a novel whose title character is betrayed by Thomas Curnow before a shootout in Glenrowan. Another novel by this author of *I//ywhacker* centers on a bet between the two title characters about transporting a glass church across Australia. For 10 points, name this author of *True History of the Kelly Gang* and *Oscar and Lucinda*.

ANSWER: Peter Carey

20. Ebroin of France delayed Adrian from reaching this city on suspicion he was working for Constans II. William the Lion was able to get out of the obligations of the Treaty of Falaise by paying ten thousand marks to Richard I in an 1189 agreement named for this city. This modern day city formed the capital of the Iron Age polity of Durovernum. One man associated with this city had disciples like Justus, Paulinus and Mellitus and was dispatched by Gregory I to convert Aethelbert I’s kingdom to Christianity. Reginald Fitzurse and William de Tracy engaged in an infamous act of over-helping in this city during a debate over the Constitutions of Clarendon after they too-

literally took Henry II's rhetorical query, "will no one rid me of this turbulent priest?" For 10 points, name this home of the head of the Church of England including archbishops like Augustine, and Thomas a Becket.

ANSWER: Canterbury

Tiebreaker. Six of these people fled aboard the *Catalpa*. The First Bigge Report recommended allowing these people to help out in private enterprises. Philip Gidley King was the first to offer these people tickets of leave. The last group of these people came aboard the *Hougoumont*. The Parramatta Factory initially ran on the labor of women from this group. Mary Bryant was one of these people that later commandeered a boat. These people made up a majority of the First Fleet commanded by Arthur Phillip. Black Caesar was one of these people who bolted and became the first Bushranger. For 10 points, name these people, many of whom had been sentenced to be transported to Botany Bay.

ANSWER: convicts sent to Australia [accept equivalents like prisoners transported to Australia]

This author wrote about the inhabitants of the commune iDeath in his novella *In Watermelon Sugar*. For 10 points each:

[10] Name this eccentric author of *Trout Fishing in America* who wrote about the insurance executive Johnston Wade joining Lee Mellon in the title location in *A Confederate General from Big Sur*.

ANSWER: Richard (Gary) Brautigan

[10] This other American novelist wrote about fishing in a novel in which Santiago catches a great marlin, his *The Old Man and the Sea*.

ANSWER: Ernest (Miller) Hemingway

[10] In this Hemingway story from *In Our Time*, Nick Adams catches grasshoppers and mulls on the destruction of the world around him as goes trout fishing.

ANSWER: "Big Two-Hearted River"

This quantity is often represented with phasors and its real part is resistance while its imaginary part is reactance. For 10 points each:

[10] Name this quantity symbolized Z, the alternating current analog of resistance.

ANSWER: impedance

[10] This quantity equals the cosine of the phase angle between the voltage and current, or the ratio of resistance to impedance. Circuits containing purely resistive elements have a value of unity for it.

ANSWER: displacement power factor [or DPF]

[10] The reactance of a capacitor is equal to the reciprocal of this quantity times the capacitance. This quantity is multiplied by the inductance for inductive reactance.

ANSWER: angular frequency [prompt on less]

This man spearheaded the creation of the Military Council of the National Guard and was responsible for filling the ranks in the Honvedseg. For 10 points each:

[10] Identify this ally of Lajos Kossuth who was executed along with the 13 martyrs of Arad after attempting to negotiate a peace settlement with Marshal Windischgratz.

ANSWER: Count Lajos Batthyany

[10] Batthyany and Kossuth were nationalists from this modern-day country. This country lost major territory in the Treaty of Trianon following World War I, which saw it exit the dual monarchy.

ANSWER: Hungary [or Magyarország]

[10] The unrest in Hungary convinced this Austrian statesman it was probably getting a bit too dicey to leave the

epileptic, dumpling-obsessed mental invalid Ferdinand I in power. This protege of Metternich convinced him to abdicate in favor of Franz Josef, presumably by using dumplings as leverage.

ANSWER: Prince Felix of Schwarzenberg

This mythological figure shares his name with a companion of Idomeneus who supposedly wrote a diary of the Trojan War. For 10 points each:

[10] Identify this fisherman who was made king of Seriphos after his brother Polydectes was turned to stone, as a reward for earlier catching a certain chest in his nets.

ANSWER: Dictys

[10] That chest contained both this Greek hero and his mother Danaë. This guy killed Medusa and married Andromeda after rescuing her from a sea monster.

ANSWER: Perseus

[10] While on the quest to kill Medusa, Perseus was advised to visit these women to learn from them the location of the Hesperides. He acquired that information by stealing from them the one eye they all shared.

ANSWER: the Graee [or Graiai; or grey ones; or grey women]

His most famous protagonist figures out the relationship between the odd pattern of footsteps he hears and the theft of some pearl-handled fish cutlery in "The Queer Feet". For 10 points each:

[10] Name this creator of the priest-detective Father Brown who wrote of a policeman going undercover as an anarchist in *The Man Who Was Thursday*.

ANSWER: G(ilbert) K(eith) Chesterton

[10] This erstwhile collaborator of G.K. Chesterton and fellow staunch Catholic detailed a trip he took from France across to Italy in *The Path to Rome* and wrote *Cautionary Tales For Children*.

ANSWER: (Joseph) Hilaire (Pierre) Belloc

[10] This earlier poet of light verse for children wrote *A Book of Nonsense* and a poem in which the title creatures go to sea in a pea-green boat, "The Owl and the Pussycat".

ANSWER: Edward Lear

This phenomenon is responsible for people hearing secret messages on music played in reverse, and seeing religious images in various objects. For 10 points each:

[10] Name this phenomenon in which people perceive significance in vague stimuli. It can be thought of as a type of apophenia.

ANSWER: pareidolia [do not accept "stupidity"]

[10] Some instances of pareidolia arise from humans' strong ability to recognize these body parts, such as the one which is often perceived in the Cydonia region of Mars. The ability to recognize them is impaired in prosopagnosia.

ANSWER: faces

[10] Visual agnosia, a more general form of prosopagnosia, is the subject of the case study reported in the title essay of *The Man Who Mistook His Wife for a Hat*, a book by this neurologist who also wrote *An Anthropologist on Mars*.

ANSWER: Oliver Sacks

Many of this composer's critical works include dialogues by Eusebius and Florestan, who represent his dreamy and passionate sides. For 10 points each:

[10] Name this German Romantic composer of *Papillons* and *Carnaval*. He married Clara Wieck.

ANSWER: Robert (Alexander) Schumann

[10] Schumann expanded his Phantasie into his only completed work of this kind. This work in A minor was premiered with his wife as the soloist.

ANSWER: Piano Concerto in A minor, Op. 54

[10] Schumann's most popular symphony in the repertoire is this minor-key work, which exists in 1841 and 1851 versions. All four movements of this symphony are meant to be played through without pause.

ANSWER: Symphony No. 4 in D minor, Op. 120 [accept either; also accept obvious equivalents like “his fourth”]

This author wrote a series of letters against Charles d’ Assoucy titled *Contre Soucidas*. For 10 points each:

[10] Name this author of *The Pedant Tricked*, who described his trip to the moon in one early sci-fi work, and also wrote *The States and Empires of the Sun*.

ANSWER: (Hercule Savinien de) Cyrano de Bergerac

[10] This French poet fictionalized the size of Cyrano de Bergerac’ s nose in play in which Cyrano ghost-writes Christian’ s letters to Roxane. He also authored *L’ Aiglon* and *Les Romanesques*.

ANSWER: Edmond (Eugene Alexis) Rostand

[10] At the start of *Cyrano de Bergerac*, Cyrano does this action with a character named Valvert. Shortly after meeting the Three Musketeers, D’ Artagnan agrees to perform this action with all three of them on the same day.

ANSWER: dueling [accept word forms]

e raised to this value is the final outcome of Mertens' theorem. For 10 points each:

[10] Identify this number that measures the amount by which the partial sums of the harmonic series differ from the logarithmic function.

ANSWER: Euler–Mascheroni constant [or gamma]

[10] It is not known whether the Euler-Mascheroni constant is rational, irrational or this other type of number. These non-algebraic numbers include e and pi.

ANSWER: transcendental numbers

[10] One common way to prove that a number is transcendental is to use a theorem co-named for this German mathematician. Marshall H. Stone generalized an approximation theorem named for this name which states that all continuous functions on some closed interval can be uniformly approximated by a polynomial function.

ANSWER: Karl Weierstrass

This lake is fed by Amu Darya and the Syr Darya. For 10 points each:

[10] Name this Central Asian lake located in Uzbekistan and Kazakhstan which has shrunk by 75% of its original volume.

ANSWER: Aral Sea

[10] One reason that the Aral Sea has shrunk was the extensive cultivation of this crop on the rivers’ plains in the Soviet Union. Uzbekistan is the world's fifth-leading producer of this commodity.

ANSWER: cotton

[10] Another shrinking Asian lake is this Cambodian one, which dramatically changes in size during the year. It’s also the name of a Cambodian river which curiously changes direction biannually.

ANSWER: Tonle Sap

Robert Nozick’s *Anarchy, State, and Utopia* was written in response to this man’s *magnum opus*. For 10 points each:

[10] Name this American political philosopher who theorized “justice as fairness” in that 1971 work, *A Theory of Justice*.

ANSWER: John Rawls

[10] In *A Theory of Justice*, Rawls details this thought experiment wherein each real citizen has a representative and all the representatives decide together on principles of justice. A key component of it is the veil of ignorance.

ANSWER: original position

[10] The second part of this 1987 Rawls essay responds to four “illustrative...but misplaced” objections to the title concept. The first objection is that the title concept is a *modus vivendi*, and the last is that it is Utopian and therefore unstable.

ANSWER: “The Idea of Overlapping Consensus”

This creature’s adventures, including a tour of the various heavens, are described in a sura alternately named for the

children of Israel. For 10 points each:

[10] Identify this winged white quadruped, between the size of a donkey and a mule, whose name means “lightning”. He is most famous for accompanying a certain religious figure on the Night Journey.

ANSWER: al-**Buraq**

[10] Buraq’s adventures with this man are described in the al-Isra sura. Other journeys taken by this Islamic prophet include one in which he brought his followers to Medina.

ANSWER: **Muhammad** [or Abu al-Qasim **Muhammad** ibn ‘Abd Allah ibn ‘Abd al-Muttalib ibn Hashim]

[10] Another important nocturnal event in Muhammad’s life was this one, in which the Quran was first revealed to him by Jibril. It is usually commemorated on one of the last nights of Ramadan.

ANSWER: the Night of **Power** [or Laylat al’ **Qadr**; or Shab-e-**Qadr**; other acceptable words in place of “Power” include **Destiny**, **Value**, **Decree**, or **Measures**]

This ruler exiled his brother Leptines and the historian Philistus after an attempted coup. For 10 points each:

[10] Identify this man who fought a war with Carthage in 397 BCE and lost to Carthage again in a later war at the Battle of Cronium.

ANSWER: **Dionysius** I [or **Dionysius** the Elder]

[10] Dionysius was the self-appointed archon of this largest Mediterranean island, ruling over cities like as Syracuse.

ANSWER: **Sicily**

[10] Dionysius attempted to install Alcetas on the throne of this city by funneling arms and supplies to the Illyrian hordes commanded by Bardyllis. Its Molossian rulers included a man who invaded Italy and faced heavy resistance at the battles of Heraclea and Asculum.

ANSWER: **Epirus**

These entities can be identified by staining interphase cells with orcein and were first discovered in cat neurons. For 10 points each:

[10] Identify these entities that have undergone lyonization.

ANSWER: **Barr body** [prompt on **X-chromatin**, **inactivated X** chromosome or **chromocenter**]

[10] X-inactivation is usually random in mammals, although it is deterministic in these species. Species within this infraclass include koalas and kangaroos.

ANSWER: **marsupials**

[10] Lyonization can cause this condition in females, though it’s more common in males. This most common enzyme deficiency causes hemolysis in the presence of oxidative stressors and is also called favism due to a historical link between it and consuming fava beans.

ANSWER: **G6PDH** Deficiency [or **glucose-6-phosphate dehydrogenase** deficiency]

This colony was founded following an expedition led by Peter Minuit, and later governors of it included Johan Printz. For 10 points each:

[10] Identify this colony whose cities included Fort Christina, a fort located in modern-day Wilmington, Delaware.

ANSWER: **New Sweden**

[10] This man led an expedition against New Sweden. This colonial governor of New Netherland lost his leg fighting against the Portuguese on Saint Martin.

ANSWER: Peter **Stuyvesant** [or Petrus **Stuyvesant**]

[10] This earlier director general of New Netherland ordered a 1643 massacre of Algonquin Indians as part of his namesake wars against Native American tribes.

ANSWER: Willem **Kieft**

In one of his works, Joji trains his wife to be a Western woman, but she ends up controlling him. For 10 points each:

[10] Name this Japanese author of *Naomi*, who wrote of Kaname’s struggles with East versus West in *Some Prefer Nettles*.

ANSWER: Junichiro **Tanizaki**

[10] Tanizaki’s last published work was this novel, in which Utsugi becomes attracted to his daughter-in-law, Satsuko.

ANSWER: Diary of a Mad Old Man [or Futen Rojin Nikki]

[10] *Diary of a Mad Old Man* is not to be confused with this earlier author' s story "Diary of a Madman" . This Ukranian author wrote of Chichikov' s efforts to buy deceased serfs in *Dead Souls*.

ANSWER: Nikolai Vasilievich Gogol

Two young girls wear white headbands in this artist' s *Identical Twins, Roselle, New Jersey*.
For 10 points each:

[10] Identify this artist who was inspired by Polaroids to create black-and-white square images like *A Family on Their Lawn One Sunday*.

ANSWER: Diane (Nemerov) Arbus

[10] Arbus took many photos in this city, such as one where a child plays with a toy hand grenade in its largest park. This city is also home to the Chrysler Building.

ANSWER: New York City

[10] This earlier photographer showed a horse and buggy in the snow on the New York streets in *Winter – Fifth Avenue*. He founded the Photo Secessionist movement and created *The Steerage*.

ANSWER: Alfred Stieglitz

The second law of this discipline was formulated by Stark and Einstein. For 10 points each:

[10] Identify this scientific field concerned with reactions initiated by electronically excited molecules.

ANSWER: photochemistry

[10] The Zimmerman Rearrangement, in which a 1,4-diene is converted into a vinylcyclopropane, is usually named after this compound. It is the simplest alkane and has formula CH₄.

ANSWER: methane

[10] This first law of photochemistry states that light must be absorbed by a compound in order for a photochemical reaction to take place.

ANSWER: Grotthus-Draper law

This country was put under French "protection" following the Battle of Sidi bou Othman. For 10 points each:

[10] Name this African country that rebelled in the Rif War while being ruled by the Alaouite dynasty. It was the subject of the Algeciras Conference during a period of two colonial "crises" over it.

ANSWER: Morocco

[10] The second Moroccan Crisis was triggered when the German gunboat *Panther* was sent to this port, prompting David Lloyd George to make the Mansion House Speech.

ANSWER: Agadir Crisis

[10] This ruler of Morocco was a puppet of France for most of his reign, but in 1955 helped start the revolt that ended the French protectorate. He was crowned King of Morocco in 1957.

ANSWER: Muhammad V

This idea posits that households will decrease consumption so as to save up for tax hikes in the future. For 10 points each:

[10] Name this idea that government financing by taxes and debt are the same in their impact on aggregate spending,

ANSWER: Ricardian Equivalence [prompt on partial answer]

[10] David Ricardo put forth this idea that high pay would cause an increase in the labor supply which would then cause wages to go back down.

ANSWER: Iron Law of Wages

[10] Robert Barro, a proponent of the Ricardian Equivalence, is a professor at this university. Gregory Mankiw is also a professor in the economics department at this university.