

ACF Nationals 2013

Packet by Yale A

Tossups

1. This book's epilogue describes a group of Egyptian children who are whipped while scrounging for discarded sandwiches. The narrator of one story in this collection speaks the title sentence while attending the wedding of his brother Dayo, who has squandered the money the narrator saved for Dayo's education. In its first section, two Lebanese travelers and a German humiliate an English tramp on a ferry leaving from Piraeus. Another story in this collection features an old colonel who runs a hotel and accuses his cook Peter of planning to kill him. This collection includes the stories "One Out of Many" and "Tell Me Who to Kill," as well as a novella in which a government official is beaten by soldiers at a checkpoint during an increasingly violent road trip. It is named for that novella, which is set in an unnamed African country and focuses on the English civilians Bobby and Linda. For 10 points, name this Booker Prize-winning collection about the lives of expatriates by V. S. Naipaul.

ANSWER: *In a Free State*

2. In the Castro synthesis, this compound is produced by the reaction of 1-amino-2-iodobenzene with acetylene. A test named for this compound uses Kovac's reagent to differentiate among members of *Enterobacteriaceae*, and measures the ability of bacteria to metabolize a certain amino acid. In another synthesis of this compound, ammonia is eliminated from an aminoacetal to yield this compound, which is isoelectronic with naphthalene. In that reaction, phenylhydrazine and a carbonyl react to produce a version of this compound substituted at the 2 and 3 positions on its smaller ring, and that reaction is named for Fischer. It is a heterobicyclic aromatic compound consisting of a pyrrole ring fused to a benzene ring, and is found in the side chain of tryptophan. For 10 points, name this substance, which, when substituted at the 3 position by acetic acid, is a common auxin.

ANSWER: indole

3. Byproducts of this organism have been shipped to a Superfund site in Maywood, New Jersey run by the Stepan chemical company for decades in a unique trade arrangement shipping them to the United States. The Eloria noyesi moth attacks this organism's ipadu variant, and another variant of this organism has overrun the hilariously-named Macarena national park. A "black" strain of this organism is resistant to the chemical glyphosate. Paolo Mantegazza studied this organism of family Erythroxylaceae, whose farmers use ziplines to deliver it in the Yungas valley. It is also produced in the Upper Huallaga valley and the Putumayo department, and an ethnic Aymara who led a union of its growers is now a national president. For 10 points, name this cash crop whose leaf was held up at the UN by Evo Morales in defiance of US-led attempts at aerial spraying and eradication in Bolivia and Colombia, which can be turned into a white powder often snorted by bankers.

ANSWER: coca plant [or coca leaves; do not accept "cocaine" at any point]

4. In 1982, a story in the Nashville Tennessean helped exonerate this man after Alonzo Mann came forward about being threatened by a janitor. This man was pardoned in part because his second-floor office had no discernible sawdust in it, unlike the basement of his building, where Newt Lee worked. The housekeeper Minola McKnight and George Epps testified against this employee of the National Pencil Company. His case was complicated by the bad spelling in handwritten notes by the black man Jim Conley, whose erratic testimony forced Governor Frank Slaton to commute this man's sentence to life in prison at Millidgeville. Populist Tom Watson called for angry mobs due to this man's alleged rape-murder, during a Memorial Day parade, of 13-year-old factory girl Mary Phagan. For 10 points, name this victim of many inhabitants of Marietta, a Jewish man whose 1915 lynching near Atlanta spurred the formation of the Anti-Defamation League and the second KKK.

ANSWER: Leo Max Frank

5. A set of Scriptural references to this man is interrupted when the author accuses readers of being “dull of hearing.” This man’s name appears after a reference to a “womb of the dawn” and the “dew of youth” in the original Psalm 110, verse 4. In Rabbinic lore, Noah’s son Shem is equated with this man. According to one text, Levi was “yet in the loins of his father” upon meeting this man. This non-Jewish worshipper of “El Elyon,” or “God Most High,” brought out bread and wine before giving a tithe to all in his presence in the book of Genesis. Before they go on mission, almost all baptized adult Mormon males join his namesake “priesthood.” His name means “my king is righteous” in Hebrew, and Jesus called a priest after the order of this man by the New Testament’s Epistle to the Hebrews. For 10 points, name this king of Salem and archetypical priest who blesses Abram.

ANSWER: **Melchizedek** [or **Malkitzedek**]

6. After one character in this short story says, “If you play ball with us, we’ll play ball with you,” the narrator mockingly comments, “You’d have thought it was going to be one long tennis match.” Its narrator admires his father’s “honesty” in refusing hospitalization for throat cancer, and is annoyed that his mother uses the insurance money from his father’s death to buy a new television and a fur coat. After money washes out of a drainpipe, its protagonist is sent to a place overseen by a potbellied Governor. The main character of this story is convicted of stealing seventy pounds from a bakery with his accomplice Mike, and stands still while boys from Gunthorpe and Aylesham pass him to win the All-England Borstal Blue Ribbon Prize Cup. For 10 points, name this short story whose title character throws a race to maintain his independence, written by Alan Sillitoe.

ANSWER: ‘The **Loneliness of the Long Distance Runner**’

7. This architect used light-colored concrete bricks to create a criss-cross pattern across the redbrick wall of Rice University’s Herring Hall. A building encased in red glass now accompanies his Center Green and his so-called “Blue Whale” in Los Angeles. In accordance with his desire to move beyond “the primitive hut,” this architect frequently builds towers with slightly curving sides, as evidenced by his 777 Tower and Charlotte’s Bank of America Corporate Center. Minneapolis is home to both his Central Library building and his art-deco-inspired Wells Fargo Center. He designed one building complex in the shape of a Muslim Rub el Hizb and added a double-decker skybridge between two towers. That building is located above the KLCC park and was surpassed in height by Taipei 101. For 10 points, name this Argentine architect whose Kuala Lumpur Petronas Towers were once the tallest buildings in the world.

ANSWER: Cesar **Pelli**

8. When these systems always generate an outcome from a dominating set, they are called Smith-efficient. One of these systems that exhibits the no-show paradox produces an outcome by minimizing the Kendall tau distance. Bayesian regret is maximal for the one of these systems that also minimizes the impact of strategic inputs. They include the Kemeny-Young and random types, as well as a system whose constriction of the range of possible outcomes is described by Duverger’s law. If one of these systems generates an outcome that is maximal under the ordering of the majority relation, it satisfies the Condorcet fairness criterion. The Gibbard-Satterthwaite theorem guarantees that any of these systems that use rank-ordering must meet one of three undesirable criteria, such as the existence of a dictator. For 10 points, name these systems, such as first-past-the-post, which allow a populace to choose between options.

ANSWER: **voting** systems [or **election** systems; or anything that describes people voting or electing someone or something]

9. A gradient of the “C” type of this compound causes certain lymphatic cells to migrate away from a body structure described by the word “cardinal”. Semaphorins and these proteins are ligands for neuropilins, which typically guide axon growth. The receptors for these compounds are fms-related tyrosine kinases that are inhibited by drugs like vatalanib and motesanib; those drugs are used in combating hepatocellular carcinoma, in which these compounds are over-expressed. The trophoblast is the major source of placental growth factor, one of these compounds. The “A” type of these compounds increases the permeability of a certain body structure by triggering nitric oxide release, and a deficiency of it, as occurs in POEMS syndrome, causes systemic capillary leak syndrome. For 10 points, name these proteins that are inhibited by Avastin, which prevents them from facilitating angiogenesis.

ANSWER: **VEGFs** [or **vascular endothelial growth factors**]

10. A member of this noble family who married Marie Clotilde of Sardinia as part of a peace deal was nicknamed “Plon-Plon,” and a man of this house who renamed himself Franz got the Duchy of Reichstadt as a reward for quitting politics. One member of this royal house was wedded in Baltimore to Betsy Patterson, an Irish-American socialite, after which he was refused passage back to Europe until he abandoned her. It changed its crest from a gules-and-or design to an azure crest displaying a gold eagle with lightning bolts at its feet and adapted one symbol from the golden bee artifacts unearthed from the tomb of Childeric. The paramour of Countess Walewska and the husband of Eugenie de Montijo were in this family, which controlled Westphalia under King Jerome. Its most powerful member struggled against Pasquale Paoli, established the Batavian Republic, and installed his brother Joseph in Spain. For 10 points, name this royal house of the First and Second French Empires.

ANSWER: House of **Bonaparte** [or **Buonaparte**]

11. A manuscript found in this god’s temple provides the source material for the tablet that describes Geb’s division of Egypt between two younger gods; that tablet is the Shabaka stone. Steles for this god often featured carved ears to better allow him to hear prayers. Sometimes depicted as a mutated dwarf, he fathered a beautiful god who wears a blue lotus headdress. Other offspring of this god include the retributive Mahes and the man who designed Zoser’s pyramid at Saqqara, the architect Imhotep. In one story, this god fashioned Ramses II’s body out of electrum. After this deity was syncretized with Seker and Osiris, he carried the “was” staff, the ankh, and the djed. Married to the lion-headed Sekhmet, he had periodic incarnations as the Apis bull. This green-faced god of craftsmen was the head of the Ennead of Memphis. For 10 points, who is this Egyptian human-form deity who created the world with his thought?

ANSWER: **Ptah** [or **Pteh**; or **Peteh**]

12. The composer of these works noted the similarity of a theme in one of them to the ape call from Mahler’s *Das Lied von der Erde*. That theme, which is played twelve times by the horn, spells the name of one of the composer’s students using a combination of French and German notation. The first movement of the last of these works depicts a toy shop and quotes from Rossini’s overture to *William Tell*. One of these compositions features the Elmira theme in its third movement. The fifth of these pieces is in D minor and concludes in D major with repeated A’s in the violins. The composer likened the finale of that one to being beaten with a stick and told, “Your business is rejoicing,” in the possibly inauthentic memoir *Testimony*. The first movement of another of these pieces features twelve iterations of the “invasion” theme. For 10 points, name this set of fifteen orchestral works by a Soviet composer, the seventh of which is nicknamed “Leningrad.”

ANSWER: **symphonies** of Dmitri **Shostakovich**

13. One battle in this war took place at the Pass of the Red Tower. Cassius Longinus was captured during this war, and committed suicide so that he could not be used as a negotiation tool. The attackers in the war began their offensive at the city of Egeta, located near a gorge called the Iron Gate. The possibly mythical Temple of Zalmoxis may have been destroyed in this war. After this war, the winning side used information from the traitor Bicilis to recover a treasure hidden by the losing commander in the Sergetia River. This war's climactic siege ended when the Romans found and destroyed the pipes leading into the enemy capital. Early in this war, the attackers built a massive stone bridge that was an early work of architect Apollodorus of Damascus. For 10 points, name this war that ended with the Capture of Sarmizegetusa and the defeat of Decebalus, commemorated on Trajan's Column.

ANSWER: (Second) **Dacian War**

14. A stabilizer formalism which is said to be assisted by this property is the subject of the Gottesman-Knill theorem, which describes conditions under which formalized systems can be simulated by systems lacking this property. An open question is whether this property allows a channel's capacity to exceed the lower bound demonstrated by the HSW coding theorem. One protocol named for this property and Procrustes facilitates superdense coding by condensing multiple states with low values of this property into a few states with high values of this property. That protocol is described as this type of distillation, which generates Bell pairs, for which this property is maximal. This property can be removed from Bell pairs using a controlled-NOT gate. States with this property cannot be written as product states and hence are not separable. The existence of systems with this property predicates Bell's theorem. For 10 points, name this property of some quantum systems in which spacelike separated objects can exhibit correlations when measured.

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

15. One painting by this artist depicts a child riding a panther as he looks at a reclining nude. That work accompanies a similar *Bacchante by the Sea*. Thick, diagonal lines characterize his cliché-verres like *Les Arbres dans la Montagne*. A melancholy woman sits next to an easel and holds the title instrument in his *Young Woman with a Mandolin*. More characteristically, he depicted three girls stripping fruit from a tree in *Recollection of Mortefontaine*, and he painted some spindly, shimmering trees before a silver lakefront in his depiction of the commune at Ville d'Avray. He's best remembered today for his plein air sketches prepared for studio landscapes like *Homer and the Shepherds*; one such sketch features large slabs of color, and like the similar *Aqueducts in the Roman Campagna*, uses a limited palette to depict a decayed expanse. For 10 points, identify this French artist of the Barbizon School who painted some broken piers in his *Bridge at Narni*.

ANSWER: Jean-Baptiste-Camille **Corot**

16. This author warned woodcutters that the trees they are chopping down are actually nymphs and goddesses in his elegy "to the forest of Gastine." He condemned the colonization of the New World in his "Complaint Against Fortune." In a poem dedicated to a fifteen-year-old girl he met only once, this author asked her whether "the rose has not...lost, before the day is dead...her color, bright as yours is bright?" He wrote four books about the Trojan Francus in imitation of Virgil's *Aeneid*; those books comprise his *Franciade*. This poet popularized alexandrine verse, and wrote love poems such as his *Sonnets to Helene* and a celebrated "Ode to Cassandre." He formed a group of poets at the court of Charles IX along with Pontus de Tyard and Joachim du Bellay. For 10 points, name this sixteenth-century French poet, the leader of La Pleiade.

ANSWER: Pierre de **Ronsard**

17. Bernard Williams argued that this thinker's theories reflected colonial elitism in an essay critiquing this man's notion of the "point of view of the universe." J.B. Schneewind wrote a classic study of this philosopher, and Peter Singer criticized John Rawls's suggestion that this man's theories exemplified the method of reflective equilibrium. Elizabeth Anscombe argued in "Modern Moral Philosophy" that differences in the title discipline after this thinker were "of little importance." He referred to the conflict between utilitarianism and rational egoism as the "dualism of the practical reason." G.E Moore argued in *Principia Ethica* that this thinker was the only one who defended hedonism without committing the naturalistic fallacy, unlike the earlier John Stuart Mill. His best-known book features sections on egoism, intuitionism, and utilitarianism, three different approaches to the title field of inquiry. For 10 points, name this British utilitarian philosopher best known for his *The Methods of Ethics*.

ANSWER: Henry Sidgwick

18. This ruler tapped Admiral Yahya Saleh to organize Hajjs for members of his family and began building a navy after conquering the port of Surat. As a child, this ruler was raised by his future father-in-law, Hindal Mirza. The finance minister Todar Mal created the dahsala tax system used by this ruler. This ruler dethroned Sultan Baz Bahadur during his invasion of Malwa. Upon first coming to power, this man was nearly overthrown by the invasion of King Hemu. This man attacked Sikander Shah to nullify the threat of the Suri Dynasty. He was forced to exile his childhood teacher, Bairam Khan, and fight his son and successor, Jahangir. For 10 points, name this third Mughal Emperor, the son and successor of Humayun.

ANSWER: Akbar the Great [or Jalal ud-Din Muhammad Akbar]

19. Two characters in this play use the code word "Kenilworth" to pretend that they immediately need to leave and catch a plane. Its second scene ends with one character telling another that he's trying to coerce him "because you listened." At the climax of this play, one character explodes "never open your mouth until you learn what the shot is!" after his story is contradicted by Williamson. This play's first three scenes take place in a Chinese restaurant where one character delivers a speech that mesmerizes James Ling, who later shows up and asks if his check has been cashed. This play contrasts the ineffectiveness of Aaronow and Moss with the success of Ricky Roma, who demands to receive his Cadillac for winning a monthly contest. In its final scene, Shelley Levene admits that he stole the title leads. For 10 points, name this play about an office of scheming real estate agents by David Mamet.

ANSWER: Glengarry Glen Ross

20. The derivative of this quantity with respect to depth scales with the energy flux in a plane-parallel material in the Rosseland approximation. Cosmologically, this property of photons exceeds this property for neutrinos by a factor of the cube root of eleven-fourths, in part due to electron-positron annihilation. A log-log plot that displays the evolution of this quantity over time exhibits a kink at the transition from a radiation-dominated universe to a matter-dominated one. This property of the CMBR is inversely proportional to the cosmological scale factor. The horizon problem is concerned with the near-equivalence of this property of the CMBR everywhere. One form of this quantity, described by the word "color," is determined by fitting non-normalized data to a Planck's law curve. For 10 points, name this property, to whose fourth power luminosity is proportional, according to the Stefan-Boltzmann law.

ANSWER: temperature

Bonuses

1. To do this in three dimensions, one can use the eikonal equation to solve for the slowness vector. For 10 points each:

[10] Name this procedure in which the path of a wave through an inhomogeneous medium is determined. It shares its name with a computational procedure for simulating 3-dimensional graphics by tracking the path of light emitted by a camera onto an image.

ANSWER: **ray tracing** [accept word forms]

[10] Ray tracing was used to identify this liquid region of the earth, based on the existence of the p-wave shadow zone. ScS waves are those that are reflected off of the outer surface of this region.

ANSWER: **outer core** [prompt on **core**] of the earth

[10] The problem of deriving the structure of the earth from seismic wave data is described as this type of problem. In general, these problems are concerned with deriving model parameters from data.

ANSWER: **inverse** problems

2. It was ruled by kings like Ghezo and Behanzin before the French installed the puppet monarch Agoli-agbo. For 10 points each:

[10] Name this African kingdom which fostered the slave trade along its namesake coast. King Ghezo greatly expanded the slave supply by conquering the neighboring Oyo empire in 1823.

ANSWER: the Kingdom of **Dahomey**

[10] The Dahomey famously used these female soldiers, who were recruited from among the king's wives. After the introduction of the slave trade, they often used Danish guns in battle.

ANSWER: Dahomey **Amazons** [or **Mino**]

[10] Dahomey is located in this modern-day country with capital at Porto-Novo. It is named after an earlier empire which created an ivory mask for Queen Idia and was legendarily ruled by sky-kings called Ogisos.

ANSWER: Republic of **Benin** [or **Benin** Empire]

3. The characters in this play intersperse recitations of their thoughts with song-like interludes, a typical trope of Yuan dynasty zaju drama. For 10 points each:

[10] Name this Li Qianfu play in which Ma Chun-shing's jealous first wife claims to be the mother of Shiu-lang. However, Hai-ting proves that she is the true mother by refusing to hurt him.

ANSWER: *The **Chalk Circle*** [or *The **Circle of Chalk***; or *A **Circle of Chalk***; or ***Huilan-ji***]

[10] This legendarily incorruptible Chinese judge devises the Judgment-of-Solomon-esque test of the Chalk Circle to determine whether Hai-ting is Shoulang's mother. In other plays and stories, he traces a stolen coin by observing that it is oily and learns about women who murder their husbands with imperceptible nails.

ANSWER: **Bao** Gong [or **Bao** Zheng; or **Bao** Daizhi; or **Pao** Ching; or **Pao** Gong]

[10] This German playwright adapted Li Qianfu's play into *The Caucasian Chalk Circle*. He frequently collaborated with Kurt Weill and used alienation effects in his "epic theater."

ANSWER: Bertolt **Brecht**

4. Answer some questions about mythological figures accidentally eating things for 10 points each.

[10] This dude thought he was pretty funny feeding his son Pelops to the gods, but when everyone but Demeter caught on, he paid pretty dearly for that joke.

ANSWER: Tantalus

[10] In Incan mythology, this moon god fashions his sperm into a fruit. The virgin goddess Cavillaca accidentally eats that fruit and gives birth to a child, but when she realizes that this god is the father, she turns herself and the baby into rocks.

ANSWER: Coniraya

[10] In one myth from this country, the giantess Seulmundae falls into the soup she is making. She is then accidentally consumed by her five hundred sons, who turn into stones out of remorse. Other myths from this country involve household gods called gashin.

ANSWER: Korea [prompt on Cheju-do Island; prompt on Jeju-do Island]

5. This man was tried and acquitted at the Council of Diospolis, before being soundly condemned at the Council of Carthage. For 10 points each:

[10] Name this British heretic, who famously denied original sin and incurred the wrath of St. Augustine.

ANSWER: Pelagius

[10] This follower of Pelagius took the Pelagian heresy even further than his teacher. Augustine wrote an entire book condemning this man by name.

ANSWER: Caelestius

[10] Augustine himself was a follower of this Italian bishop, who first convinced Augustine to convert to Christianity.

ANSWER: Ambrose of Milan

6. An academic critique of this phenomenon argues that IMF policies helped contribute to the 1997 Asian financial crisis and drew on the author's experience as chief economist at the World Bank. For 10 points each:

[10] Name this process, defined by Roland Robertson as “the compression of the world” and criticized in a book by Joseph Stiglitz about its “discontents.”

ANSWER: globalization

[10] This sociologist lamented the globalization of places devoid of distinctive and substantive content in his book *The Globalization of Nothing*. He argued that the world is becoming increasingly rationalized like modern fast-food restaurants, an idea he termed “McDonaldization.”

ANSWER: George Ritzer

[10] This contemporary sociologist analyzed the ways in which New York, London, and Tokyo became crucial nodes in the global economy in her classic study on *The Global City*, a term she coined.

ANSWER: Saskia Sassen

7. Triiodomethane and a compound with this functional group are produced by the iodoform reaction on a methyl ketone. For 10 points each:

[10] Name this functional group that consists of a carbanion adjacent to a carbonyl.

ANSWER: enolate

[10] In this process, enols rapidly interconvert with their carbonyl isomers in non-neutral media.

ANSWER: keto-enol tautomerization [or word forms]

[10] An enolate is generated in the first step of this reaction that converts the namesake compound to an alkyl-substituted acetic acid derivative. This reaction is similar to the acetoacetic ester synthesis.

ANSWER: malonic ester synthesis

8. This author wrote a comic essay which used the terms U and non-U to describe upper and non-upper class language. For 10 points each:

[10] Name this English novelist of *The Pursuit of Love* and *Love in a Cold Climate*.

ANSWER: Nancy **Mitford**

[10] Mitford took the title *Love in a Cold Climate* from this author's novel *Keep the Aspidistra Flying*. He also wrote the essay "Politics and the English Language" and a dystopian novel about Winston Smith.

ANSWER: George **Orwell** [or Eric **Blair**]

[10] In 1937, Orwell published this book, whose first section describes the bleak conditions of the working class in northern England. Its second section analyzes how the English class system makes socialism effectively impossible.

ANSWER: *The **Road to Wigan Pier***

9. Answer these questions about imperial Russia's serfs, for 10 points each.

[10] This traitorous lieutenant's Cossack rebellion halted Catherine the Great's attempts to free the serfs. Many serfs in his path joined him and became Cossacks until he was caught and beheaded.

ANSWER: Yemelyan **Pugachev**

[10] In the Russian social structure, a class of ownerless peasants known by this adjective got slowly displaced by serfs. This adjective also signifies a Scottish "Watch" which fought in Pontiac's Rebellion and Iraq, an army between the Reds and Whites in Russia's Civil War, and another army led by Hungary's Matthias Corvinus.

ANSWER: **black** peasants [or Black Watch; or Black Army; or **chernyy**]

[10] Two law codes of this name restricted the rights of serfs, among other things. They were passed in 1497 and 1550 as part of the legal reforms by Ivan the Great and Ivan the Terrible, respectively.

ANSWER: **Sudebniks**

10. The lead soprano roles of this opera, *Anna Bolena*, and *Maria Stuarda* are often known as the "Three Queens," and Beverly Sills performed all three as a series at the New York City Opera. For 10 points each:

[10] Name this opera in which a blue scarf convinces Elizabeth I that the title character is in love with another woman. Elizabeth sings the mad scene "Vivi ingrato...Quel sangue versato" after ordering the title character's execution.

ANSWER: **Roberto Devereux**

[10] *Roberto Devereux* was written by this Italian composer of *Lucrezia Borgia*, *Don Pasquale*, and *Lucia di Lammermoor*.

ANSWER: Gaetano **Donizetti**

[10] The lead role in *Lucia di Lammermoor* is an example of this type of soprano, who is able to sing elaborate vocal lines embellished with trills and arpeggios. Other dramatic roles for this type of soprano include the Queen of the Night in *The Magic Flute*.

ANSWER: **coloratura** soprano

11. These equations relate three tensors to one another, and each tensor has ten independent components. For 10 points each:

[10] Name these equations at the heart of general relativity. They describe how spacetime is curved by the presence of mass-energy.

ANSWER: Einstein **field** equations [or **Einstein's equations**]

[10] For any geodesic, there exist coordinates such that these things vanish; such coordinates are called normal. These 3-dimensional arrays are the connection coefficients of the Levi-Civita symbol.

ANSWER: **Christoffel symbols**

[10] The Christoffel symbols are computed from the derivatives of the components of this tensor. In flat spacetime, its matrix representation is diagonal with a three-coma-one signature. In the Einstein field equations, it is multiplied by the cosmological constant.

ANSWER: **metric** tensor [prompt on **g**]

12. One artist with this surname included the words “Hail Mother, Queen of the World” on the halo of Mary in his *Madonna of Humility with Donor*. For 10 points each:

[10] Identify this family of artists, whose most accomplished member painted the portrait of Leonardo Loredan, the San Giobbe Altarpiece, and a work now in the Frick collection in New York titled *Saint Francis in Ecstasy*.

ANSWER: **Bellini**

[10] The Bellini family hailed from this city, whose Grand Canal was depicted in multiple *vedute* by Canaletto.

ANSWER: **Venice** [or **Venezia**; or **Venexia**; or **Venetia**]

[10] Christ is hidden between the arches of a building rendered in stark Albertian perspective in a Jacopo Bellini drawing of this scene. Artists such as William-Adolphe Bouguereau and Caravaggio created versions of this scene where the central figure is bound to a column.

ANSWER: The **Flagellation** of Christ [or Christ’s **Flagellation**]

13. This poem’s final lines ask “And who will bring white peace that he may sleep upon his hill again?” For 10 points each:

[10] Name this poem, whose central character “thinks on men and kings” and is unable to sleep because “too many peasants fight” and “too many homesteads in black terror weep.”

ANSWER: **“Abraham Lincoln Walks at Midnight”** in Springfield, Illinois”

[10] This author wandered across America reciting poems such as “Abraham Lincoln Walks at Midnight.” He celebrated the founder of the Salvation Army in his poem “General William Booth Enters into Heaven.”

ANSWER: Vachel **Lindsay**

[10] The chorus of Lindsay’s poem “The Congo” repeats that this figure “will hoo-doo you.” A novel with this title describes how the Wallflower Order tries to suppress the epidemic of “Jes Grew.”

ANSWER: **Mumbo-Jumbo**

14. Answer these questions about postwar immigration from the British Commonwealth to the United Kingdom, for 10 points each.

[10] Mark Duggan and Stephen Lawrence, two men killed by British police brutality, were born to immigrants of this island, a former colony where the British started importing slaves around the time of Captain Morgan’s piracy.

ANSWER: **Jamaica**

[10] This Conservative MP got caps on Commonwealth immigration enacted before Edward Heath sacked him from his shadow cabinet. He conjured up images of immigrants crapping in old ladies’ mailboxes in his xenophobic “Rivers of Blood” speech.

ANSWER: Enoch **Powell**

[10] This ship’s 1948 arrival at Tilbury, carrying its namesake “generation” of hundreds of Jamaicans, is remembered as the start of mass arrival of Commonwealth immigrants to Britain.

ANSWER: *MV Empire* **Windrush**

15. This man zoomed in on a poor greengrocer's decision to hang or not hang a sign in his window that he doesn't agree with in his essay *The Power of the Powerless*. For 10 points each:

[10] Name this thinker who opened that essay with the sentence "A specter is haunting Eastern Europe – the specter of what in the West is called dissent." He also wrote *Living in Truth* and "Anti-Political Politics."

ANSWER: Vaclav **Havel**

[10] In Havel's *The Power of the Powerless*, the shop sign has this socialist slogan, the concluding sentence of *The Communist Manifesto*, on it. This phrase follows "They have nothing to lose but their chains; they have a world to win."

ANSWER: "**Workers of the world, unite!**" [or "**Working men of all countries, unite!**" or "**Proletarians of the world, unite!**"; or "**Proletarier aller Länder vereinigt euch!**"; be lenient about translation]

[10] This other Communist-era Czech intellectual was a Husserlian phenomenologist who died after police interrogations in 1977. His *Heretical Essays in the History of Philosophy* were interpreted in Jacques Derrida's *The Gift of Death*.

ANSWER: Jan **Patočka**

16. This process can only occur in competent bacteria. For 10 points each:

[10] Name this genetic process in which a cell uptakes genetic material directly from its environment. Griffith was the first to observe it in his experiment with pneumococcae.

ANSWER: **transformation**

[10] In plants, transformation is often performed using the *tumefaciens* species of this Gram-negative genus of bacteria, which causes crown-gall disease. For transformation to occur, bacteria in this genus must be equipped with a modified Ti or Ri plasmid.

ANSWER: **Agrobacterium**

[10] Transformation may also be promoted using this method, in which the application of an electric field to a cell makes the plasma membrane more conductive and more capable of uptaking genetic material from its surroundings.

ANSWER: **electroporation** [or **electropermeabilization**; or word forms]

17. Answer these questions about the fits and starts in which slavery was ended during the American Civil War, for 10 points each.

[10] This commander freed all the slaves in Missouri by order in 1861, forcing Lincoln to relieve him of command for threatening the political balance in a key border state. He preceded Lincoln as the first Republican presidential candidate.

ANSWER: John Charles **Fremont**

[10] This Columbia historian showed how many slaves were forced back into plantation-style labor if they couldn't fight for themselves in *Nothing But Freedom*. He challenged the nostalgic racism of the Dunning school in his book *Reconstruction: America's Unfinished Revolution*.

ANSWER: Eric **Foner**

[10] Around the time of the Civil War, slaves used this system of information transfer between different plantations to get info on troop movements. We're not sure how it worked, but it usually involved slaves planted in the corners of post offices to overhear each day's news as people talked about it.

ANSWER: **grapevine** system [or the **grapevine** telegraph line]

18. Answer the following about bestsellers in the Eastern Bloc, for 10 points each:

[10] Communist countries loved this Ethel Lilian Voynich novel, in which Arthur Burton adopts atheism and transforms himself into this novel's title Italian revolutionary.

ANSWER: The **Gadfly**

[10] In this novel by Maxim Gorky, Pelageya Nilovna transforms from a beleaguered widow to a distributor of radical pamphlets. She becomes aware of the factory-owners' oppression of the workers through the activities of Sasha, Natasha, and Pavel.

ANSWER: The **Mother** [or **Mam̃**; or **Mat**]

[10] The title of Nikolai Ostrovsky's pro-Bolshevik bestseller about Pavel Korchagin describes how this substance was tempered. This substance also appears in the pen name used by Joseph Dzhughashvili.

ANSWER: the **steel** [or **stal**]

19. One composer from this country collaborated with David Henry Hwang on an opera based on the life of Federico Garcia Lorca, and another composer born here composed theatrical pieces like *Match*. For 10 points each:

[10] Name this birthplace of Osvaldo Golijov and Mauricio Kagel. Another composer from this country wrote the operas *Don Rodrigo* and *Bomarzo*.

ANSWER: **Argentina**

[10] This other South American composer wrote a series of pieces inspired by Brazilian street music, *Chôros*, as well as *Bachianas Brasileiras*.

ANSWER: Heitor **Villa-Lobos**

[10] This Argentine pianist won the International Chopin Piano Competition in 1965. Her "Debut Recital" recording from the same year featured the Liszt Sonata, and she recorded Rachmaninoff's Third Concerto with Riccardo Chailly.

ANSWER: Martha **Argerich**

20. The Ket people live along the banks of this river. For 10 points each:

[10] Name this Siberian river that drains into the Arctic Ocean. It lies east of the Ob, and its headwaters are in Lake Baikal.

ANSWER: **Yenisei** river

[10] In 2008, Edward Vajda proposed that the Yeniseian languages were genealogically linked to this language family of North America, which includes Tlingit. That proposal constitutes the first known genealogical relation among pre-contact Eurasian and American languages.

ANSWER: **Na-Dene**

[10] The predecessors of the Na-Dene would presumably have come to the Americas by crossing this narrow waterway between Russia and Alaska, which would have been frozen during the Ice Age. It connects a sea of the same name to the Chukchi Sea.

ANSWER: **Bering strait**