



ACADEMIC COMPETITION FEDERATION

2014 ACF NATIONALS

PACKET BY ALBERTA, WASHINGTON AND CHICAGO B

TOSSUPS

1. This religious leader's wife prepared a feast and went into the forest with an entourage, but she was told to return on foot with a simple meal cooked by herself alone. When she did, the Baba Buddha told her that she'd bear a son to this man who'd crush enemies just like he crushed her onions. This man's teaching was opposed by a group called the "Minas," or "dissenters," led by his jealous older brother Prithi Chand, who drafted a letter to the emperor asking that this man be killed. He founded the city of Tarn Taran, which became the first haven for lepers in India, as well as the city of Kartarpur. This leader was arrested on charges of helping Prince Khusrav to rebel against Emperor Jehangir, and was then killed by being dipped in a boiling cauldron in Lahore. This religious leader finished the construction of the Golden Temple at Amritsar, which had begun under his father Ram Das. He was succeeded in turn by his son Hargobind. For 10 points, name this fifth guru of Sikhism, who is best known for compiling the Adi Granth.

ANSWER: Guru ARJUN Dev [or Guru ARJAN Dev or ARJAN Mal]

2. This material can have thin blade-shaped projections known as platelets in a layer known as the skeletal layer. This material can contain features called polynyas, which exist in sensible and latent heat varieties, with the latter being formed primarily through the action of katabatic winds. Formation of this material begins with frazil, which in calm conditions proceeds to form nilas, which then via rafting produce the congelation form of this substance. The biosphere arising within and around this substance is dominated by diatoms. Microwave imaging from satellites such as NASA's SMMR and the Defense Department's SSM/I are used to track the seasonal extent of this substance, whose high albedo is instrumental in keeping the atmosphere cool. The movement of this substance south through the Fram Strait into the North Atlantic can disrupt the thermohaline circulation. For 10 points, identify this substance which forms seasonally near the poles from liquid water.

ANSWER: SEA ICE [accept OCEANIC ICE or OCEAN ICE, but prompt on "ice"]

3. Stanley Fish disputes Robert Graves's assertion that the author of this poem misplaced its lines beginning "Oft listn'ing how the hounds and horn / Clearly rouse the slumbering morn." This poem invokes Ariel's promise to Prospero in Act IV of *The Tempest* with its command "Come, and trip it as ye go / On the light fantastick toe." Characters in this poem exchange "Quips and Cranks, and wanton Wiles, Nods, and Becks, and wreathed Smiles," and tell stories over delicious glasses of "Spicy Nut-brown Ale." The speaker of this poem wishes to be "lap[ped] in soft Lydian aires" so that he can, like Orpheus, make Pluto "set free / His half-regain'd Eurydice." The bulk of this 152-line poem is in octosyllabic couplets, following the introductory ten-line stanza in which the speaker banishes his previous muse to "the dark Cimmerian desert." It ends with the couplet "These delights, if thou canst give, Mirth with thee, I mean to live." For 10 points, name this sprightly poem Milton wrote as a companion to "Il Penseroso."

ANSWER: "L'ALLEGRO"

4. The attacking force in this conflict laid the first siege to Zamosc fortress, but relented when a truce was entered to allow the autumn harvest to be collected. In that skirmish, and at the Battle of Korsun, that side in this conflict was aided by a force under Tugay Bey. A temporary peace in this conflict was achieved at the Treaty of Zboriv, until the eruption of a huge land battle at Berestchko, where Tugay was slain. This conflict's victorious leader avenged the failure ten years prior of Jakub Ostrzanin, thanks to the help of the Tatar cavalry. For a time, its victor halted hostilities after receiving a letter from John II Casimir. That namesake leader of this rebellion rallied the Ruthenian people in the Zaporizhian Sich, and after his success, he signed the Pereiaslav Agreement, which united his people with Muscovy under Tsar Alexis I. This rebellion is considered the first portion of the Deluge, and it resulted in the Polish-Lithuanian union losing control of the Ukraine. For 10 points,

identify this 1648 uprising named for a Cossack Hetman.

ANSWER: KHMELNYTSKY Uprising [or CHMIELNICKI Uprising; prompt on the “Deluge” until it’s mentioned; prompt also on “Potop” or the “Svedu,” which are other ethnic terms for the Deluge]

5. A trumpet fanfare over low strings dominates the *Sostenuto assai* opening of this composer’s second symphony, which ends with that same fanfare joined by the timpani and the rest of the brass. The horn in a horn-piano duo is often substituted for the cello or violin in this composer’s op. 70 *Adagio and Allegro*, which was the first piece by a major composer specifically for the newly-invented valved horn. A popular tuba arrangement exists of a minute-long jolly piece originally for piano that was the tenth of a collection this composer dedicated to his daughters. Three trombones play a chorale in E-flat minor counterpoint in the fourth movement of another of his symphonies, marked “feierlich,” or “solemn,” which follows a movement that totally omits brass and timpani, an A-flat major movement marked “nicht schnell,” or “not fast.” This composer’s *Album for the Young* includes his piece “The Happy Farmer,” and his third symphony was inspired by his experience witnessing the appointment of a new cardinal in Cologne Cathedral. For 10 points, name this Romantic composer of the *Rhenish Symphony*, who married Clara Wieck.

ANSWER: Robert SCHUMANN

6. This book considers quotation and concatenation as two illustrations of the “virtues of definition as a method of eating one’s cake and having it” in a discussion of “Definition and the Double Life.” Among the issues considered in this book’s final chapter, titled “Ontic Decision,” is the dispute between nominalism and realism and the usefulness of “Limit myths” in math and physics. This book’s fourth chapter is dedicated to the analysis of “Vagaries of reference,” and another section of this book suggests that “every proposition [is] nameable by applying brackets to one or another eternal sentence,” the latter being taken to be “not an event of utterance, but a linguistic form.” This book suggests renouncing the use of “attributes” and “relations” in philosophy. A central distinction in this book is between “standing sentences” and “occasion sentences,” the latter of which include “It hurts” and “Gavagai,” which may be a co-extensive term with “rabbit.” For 10 points, identify this book that discusses the “indeterminacy of translation,” written in 1960 by Willard Van Orman Quine.

ANSWER: WORD AND OBJECT

7. An octahedral chiral ruthenium complex known as a “molecular light switch” is non-luminescent in the presence of this compound. No fewer than 28 of these molecules are present in the transition metal complex misleadingly known as “zirconyl chloride,” and two of them are present in perhenic acid. A bond in this molecule is ionized to allow metal ions to polymerize in the olation process. The stability region of this compound is the limiting factor often displayed in Pourbaix diagrams. In most complexes featuring them, six of these monodentate, really weak sigma-donating ligands coordinate to a transition metal, and the overall charge is 2+ or 3+. Highly charged transition metal complexes exchange these ligands for this compound in solution exponentially slower than mildly-charged complexes. At high pHs, these ligands transform into oxido ligands. The presence of this compound can be represented by writing the formula, then by adding a dot and indicating how many of these molecules there are; salts with formulas written thusly are called hydrates. For 10 points, name this molecule which is the only ligand in metal aqua complexes.

ANSWER: WATER [or H₂O; or OH₂, which is sometimes how water ligands are written, accept AQUA and AQUO before the mention of “aqua” at the very end; accept DIHYDROGEN MONOXIDE or DHMO from ninth-grade biology teachers; accept AQUEOUS solution from confused people]

8. This story begins with the memorable image of smoke covering the ground of an orchard with thousands of trees arranged in chessboard pattern to drive off frost. One character in this story is surprised by the venomous words used against Monsieur Gaucher in bland articles he is given to read, titled “On Intermediate Crops” and “More on Budding with Dormant Eyes.” A violin playing Braga’s serenade entices a character in this story to tell a legend about a mirage that will reappear on the Earth in the next two days for the first time in a thousand years. While its protagonist dies, the title figure whispers to him “that he was a genius.” This story ends with the protagonist tearing up a letter from his wife Tanya, announcing the death of her father, the horticulturist Yegon Pesotsky. As its protagonist stands on a balcony outside a Crimean hotel, he sees the title hallucination in the form of a tall, dark whirlwind. For 10 points, name this Chekhov story about the demise of the scholar Andrey Kovrin after he meets the title supernatural friar.

ANSWER: “The BLACK MONK” [or “CHYORNY MONAKH”]

9. This man lost his position as first lieutenant for breaking off an engagement to marry Lina von Osten. Because sulfonamide drugs were not used to treat his wounds, Dr. Theodor Morell claimed that his physician was negligent. When assassins jumped in front of his open-topped Mercedes, their Sten machine guns jammed, so they threw an anti-tank grenade at his car. That assassination attempt on this man was Operation Anthropoid, and was carried out by the paratroopers Jan Kubis and Jozef Gabcik, in retribution for which the Czech town of Lidice was burned down. This man, known as the “Blond Beast,” became the head of Interpol after Otto Steinhausl. The diplomat Martin Luther kept the minutes of a meeting that he called, during which Adolf Eichmann drafted the official report and created his list of Jews in various countries. That meeting convoked by this man proposed a plan to implement the Final Solution. For 10 points, name this Nazi who chaired the Wannsee Conference and helped to organize Kristallnacht.

ANSWER: Reinhard (Tristan Eugen) HEYDRICH [accept the “BLOND BEAST” before it’s mentioned]

10. The National Gallery of Art houses George Segal’s sculpture based on this painting, which depicts one fewer person. Legendarily, the inspiration for this painting’s composition came from watching peasants and fisherman on the beach in Collioure perform the “sardana.” A second version of this painting was commissioned as a ceiling mural above the three window arches in the room containing Seurat’s *The Models* at the Barnes Foundation. The artist created a companion piece to this painting, in which a standing nude man without genitals plays a tiny golden violin alongside three nude people sitting on a green hill. It was originally commissioned as a mural for the grand staircase of the Trubetskoy Palace by Russian industrialist Sergey Shchukin, along with that companion piece *Music*. The people in this painting appear in the background of the artist’s earlier canvas *The Joy of Life*. For 10 points, name this 1910 Matisse painting, where five nude people join hands and perform the title rhythmic activity.

ANSWER: The DANCE [or La DANSE]

11. This author wrote a book that includes a scene in which a man derisively nicknamed “The Measuring Worm” watches Ezra Pound in a boxing match, and hopes for Pound to get hurt. This author wrote a book divided into four sections about different “pursuits,” including “Pursuit and Conversation” and “Pursuit and Happiness”. The title of another book by him is explained by the quote “If you are lucky enough to have lived in Paris as a young man, then wherever you go for the rest of your life, it stays with you” in the form of the title event. Another book by him contains a famous section arguing that “all modern American literature” comes from *Huck Finn*, but claims “the real end” of the novel is when “Jim is stolen from the boys.” This author posited that “the dignity of movement of an ice-berg is due to only one-eighth of it being above water” in a famous metaphor for how a good writer can omit things he knows. This author of *The Green Hills of Africa* wrote about the aesthetic experience of “violent death” while watching Joselito and Belmonte in his book *Death in the Afternoon*, which considers bullfighting as an art. For 10 points, name this American author of *A Moveable Feast*, who also wrote about the matador Pedro Romero in his novel *The Sun Also Rises*.

ANSWER: Ernest HEMINGWAY

12. The first draft of this document is often attributed to Samuel Griffith, who is now the namesake of a society dedicated to defending it. However, some argue that Griffith merely revised a pre-existing draft by Andrew Inglis Clark to create this document. A three-week crisis involving this document was caused by a multibillion dollar loan from a Pakistani financier named Tirath Khemlani, approved by a dubious letter of authority given by the Minister of Minerals and Energy. That crisis involving this document was precipitated by the Overseas Loans Affair. Section 57 of this document allows for the act of “double dissolution,” and Section 83 provides for supply of money. This document establishes “Chapter III courts,” and the 1975 crisis over it resulted in the caretaker Malcolm Fraser being named to office in “The Dismissal” by Governor-General John Kerr. For 10 points, name this document which is the supreme law of a country that was home to the Eureka Stockade and led by the PMs Robert Menzies and Kevin Rudd.

ANSWER: CONSTITUTION of AUSTRALIA [or AUSTRALIAN CONSTITUTION; or CONSTITUTION OF THE COMMONWEALTH OF AUSTRALIA; or AUSTRALIAN COMMONWEALTH CONSTITUTION]

13. The Weaire-Phelan structure is a solution to this scientist’s namesake problem that seeks to find an arrangement of cells of equal volume that minimizes the surface area of their common walls. The theory of Ostwald ripening, an effect in which large molecules in a solution grow at the expense of smaller ones, is based on an equation which states that vapor pressure at an interface depends on the curvature of the interface, named for this scientist and Gibbs. A type of nondispersive oceanic wave that balances Coriolis forces against either topographical boundaries or against another instance of the same wave is named

after this scientist. This scientist is the first namesake of a phenomenon in which shear flow of a light fluid on top of a heavier one generates instability at their interface. An inviscid fluid will have constant vorticity around a closed loop according to a theorem formulated by this scientist. For 10 points, identify this physicist who names an instability with Helmholtz, a “circulation theorem,” and an absolute temperature scale.

ANSWER: Lord KELVIN [or Baron KELVIN; or William THOMSON]

14. This thinker criticized Keynes for not distinguishing between *ex ante* and *ex post* calculations of savings and investment in one work, and in another, he coined the terms “backwash” and “spread” to characterize how development can have, respectively, negative and positive side effects. In addition to collecting lectures in *Monetary Equilibrium* and writing *Economic Theory and Underdeveloped Regions*, this thinker proposed a kind of vicious cycle known as circular cumulative causation, which he used to explain why economic forces sometimes benefit the core of an economic zone at the expense of the periphery. This author of *Asian Drama: An Inquiry into the Poverty of Nations* wrote a book which criticized the Agricultural Adjustment Act and minimum wage laws for encouraging employers to discriminate against minority workers. For 10 points, identify this economist who shared the 1974 Nobel Prize with Friedrich Hayek and authored *An American Dilemma: The Negro Problem and Modern Democracy*.

ANSWER: Karl Gunnar MYRDAL

15. In 2013, the Cato Institute published a book by Clay Conrad on this subject, subtitled “The Evolution of a Doctrine.” Julian Heicklen was indicted for disseminating information about this practice, but charges were dismissed in 2012. Its proponents cite Bushell’s Case as paving the way for its occurrence. The 1794 case of *Georgia v. Brailsford* held that courts must expressly inform citizens that this right exists, though that holding was overturned by the 1895 case *Sparf v. United States*. In 2012, Governor John Lynch of New Hampshire passed a bill authorizing this practice, leading to the acquittal of a Rastafarian named Doug Darrell. It appears to have occurred during the trial of John Peter Zenger, when it was found that Defendant had not printed libelous statements, despite clear evidence to the contrary. For 10 points, name this practice which allows a panel of citizens to return a verdict contrary to the letter of the law.

ANSWER: jury NULLIFICATION [prompt a descriptive answer such as “the jury not giving a damn about what the law says” or “independence of the jury,” but the player must give “NULLIFICATION” to be correct]

16. One of these beings liked touching people at random, crippling them for life, inspiring his hilarious epithet “Stroke Lad.” Rabid dogs and mentally unstable people gathered at a “chair” sacred to another of these beings. A seven foot tall subset of these beings, known as the Gentry, often kidnap interesting people and convert them into more Gentry. They are subdivided into those who walk on the ground after sunset, those who travel through air, and those who guard lakes. Euphemisms such as “The Little People” and “The Good Neighbors” were used as a way for people to avoid addressing these beings directly. They were ruled by regional queens such as Aoibhinn and Aynia, who owed their allegiance to the high queen Onagh and her husband Finvarra. After being crushed by the Milesians, the Tuatha de Danaan ventured into the Otherworld, transformed into these beings, and hid beneath mounds; hence these beings, who can turn invisible, are called “the people of the mounds.” For 10 points, name these beautiful, underground-dwelling spirits from Celtic myth, which includes those who wail as a premonition of death, the bean (BAN) type.

ANSWER: SIDHE (pronounced SHEEs) [or AOS SIDHE; or aes SIDHE; or SITH; prompt on “spirits” until mentioned; prompt on “fairies”; prompt on “feys”; accept GENTRY until mentioned; accept things indicating MOUND PEOPLE or MOUND-DWELLERS until “mounds” are mentioned; reverse prompt on “banshees”; accept The LITTLE PEOPLE and The GOOD NEIGHBORS and The FAIR FOLK and The FOLK from superstitious Celts until either they are mentioned by name, or the word “directly” is read; prompt on “Tuatha de Danaan” until mentioned]

17. A chef in this film justifies cooking with regular salt, despite a lady’s request for sea salt, because he’ll “put up with diets, not fads.” The tension between a man’s wife and his mistress in this film briefly dissipates when they express mutual distaste at his habit of smoking in bed. In this movie, four skeletons dance to a player piano rendition of *Danse macabre* during a masquerade ball, after which a main character is repeatedly thwarted in his attempts to remove his bear costume. A Jewish character in this film obsessively collects mannequins that play music. In an extended scene in this film, servants pass through a wood, lightly tapping trees with sticks, to drive rabbits and pheasants out toward the firing line of waiting hunters. A woman wears her maid’s cape and hood during a liaison at a greenhouse, tragically inciting that maid’s husband to mistakenly kill the woman’s lover, who at this film’s beginning returns to home to Paris from a successful transatlantic flight. This film is set at La

Coliniere, the estate of Robert, the husband of Andre Jurieux's mistress Christine. For 10 points, name this 1939 film satirizing French high society, directed by Jean Renoir.

ANSWER: The RULES OF THE GAME [or La REGLE DU JEU]

18. The speaker of one poem in this collection claims, "I have slept with beauty / in my own weird way / and I have made a hungry scene or two / with beauty in my bed," after initially asserting, "I have not lain with beauty all my life." The speaker refrains "I am leading a quiet life / in Mike's Place every day" in a poem from this collection titled "Autobiography." The speaker parodies Yeats saying, "I must arise and go now / to the Isle of Manisfree" in a poem from it that is constantly interrupted by the interjection "Junk for sale!" Another poem in this collection compares the poet to "an acrobat / [who] climbs on rime / to a high wire of his own making" because both of them are "Constantly risking absurdity / and death / Whenever he performs." Its second section begins with "Junkman's Obbligato," whereas its best known poem describes "exactly the moment" when the "people of the world . . . first attained the title of / ... suffering humanity." It was published five years after its author founded City Lights Bookstore. For 10 points, name this poetry collection whose first poem begins, "In Goya's greatest scenes," written by Lawrence Ferlinghetti.

ANSWER: A CONEY ISLAND OF THE MIND

19. Most of this scientist's work was summarized in a memorandum to Marcus Rhoades that diagrams a "repulsive force." This biologist helped George Beadle's Stanford lab out of a quagmire by devising a way to visualize the seven pairs of *Neurospora* chromosomes. This scientist described how telomeres split off, replicate to form two sister chromatids without telomeres, which then fuse with one another, in the breakage-fusion-bridge cycle. Apart from ethnographic trips to South and Central America, this scientist entered a decade of relative silence in the 1950s after publishing the results of experiments conducted at Cold Spring Harbor Laboratory. This biologist found that activator factor was needed alongside the Ds locus in order to cause a mutation in the Bz allele, in an experiment analyzing chromosome 9 of a triploid tissue. This 1983 Nobel winner devised the theory of "controlling elements" based experiments she conducted on maize. For 10 points, name this woman who discovered jumping genes, or transposons.

ANSWER: Barbara MCCLINTOCK

20. A black market adoption racket was operated in this city by Georgia Tann, aka the "Hollywood Baby Snatcher." A stop on the Underground Railroad in this city, known as Slavehaven, was run by Jacob Burkle. Land in this city was developed by Robert Reed Church, dubiously called the first black millionaire. Clarence Saunders created the first "self-serving store" here, which introduced checkout lines. Founded as a city by John Overton and James Winchester, its best-known mayor fell from power after he put out a full page advertisement calling Estes Kefauver a "pet coon." That mayor of this city was Ed "Boss" Crump. A bunch of signs reading "I am a man!" were held during a strike of sanitation workers in this city, which led to a speech delivered at Mason Temple, which quoted the line "Mine eyes have seen the glory of the coming of the Lord." For 10 points, name this city where the "I've Been to the Mountaintop" speech was given by Martin Luther King, Jr., and where musicians often gather on Beale Street.

ANSWER: MEMPHIS, Tennessee

TIEBREAKER

21. The speaker of this poem tells his addressee "we're bound, forever... like Emily Dickinson's horses... headed to the end" and notes "they know the way... these steeds". Its fifth section ends with a list of different images of eyes including "eyes of stroke", "eyes of lobotomy", "eyes of Czechoslovakia attacked by robots." The final two lines of this poem's second section quote a letter from the main subject advising, "the key is in the sunlight at the window." This poem's fourth section contains a series of lines beginning "with your eyes," and it also contains a section titled "Hymmn" spelled with two m's and two n's. Recurring characters in this poem include the speaker's brother Eugene and aunt Eleanor, and it ends with repetitions of the phrases "lord lord lord" and "caw caw caw." This poem begins as the speaker remarks, "strange now to think of you, gone without corsets and eyes," referring to a woman who had been buried three years without the traditional prayer. For 10 points, name this elegy for the author's mother Naomi by Allen Ginsberg titled for a Jewish prayer for the dead.

ANSWER: "KADDISH"

BONUSES

1. In an essay on this subject, Helen Longino defined it as something that depicts degradation in such a way as to endorse it, and argued that it was not subject to First Amendment protections. For 10 points each:

[10] Identify this subject of Longino's essay "Oppression, and Freedom." It's also the title of a collection edited by Susan Dwyer titled *The Problem of* this subject.

ANSWER: PORNOGRAPHY

[10] Together with Robin Morgan, this feminist thinker and law professor at Michigan convinced Indianapolis to pass a local ordinance restricting pornography distribution. Her own works include *Feminism Unmodified* and *Are Women Human?*

ANSWER: Catharine Alice MACKINNON

[10] MacKinnon's views on the legality of pornography have influenced judges in this country, where the case of *Donald Butler vs. Her Majesty the Queen* was decided. That case held that a local ordinance restricting the distribution of some types of pornography did not run afoul of this nation's Charter of Rights and Freedoms.

ANSWER: CANADA

2. The drag-queen nurse Belize insists that Louis Ironson perform a mourning prayer over this character's body after a ghost sings him a lullaby. For 10 points each:

[10] Name this attorney who tries to pressure Mormon lawyer Joe Pitt to take a job in the Justice Department, and is haunted by the ghost of Ethel Rosenberg, who in his death scene tells him he's been disbarred.

ANSWER: ROY COHN [accept either]

[10] Roy Cohn is a major character in this play about the AIDS crisis by Tony Kushner, that is split into two parts titled "Millennium Approaches" and "Perestroika."

ANSWER: ANGELS IN AMERICA: A Gay Fantasia on National Themes

[10] Joe Pitt's valium-addicted wife Harper sees this hallucinatory character whenever she wants to travel; this character sends her on a tour of the ozone layer in Antarctica.

ANSWER: Mr. LIES

3. The engineer Eupalinos dug a tunnel through Mount Kastro on this island to provide fresh water to its inhabitants, during the reign of its tyrant Polycrates. For 10 points each:

[10] Name this island which revolted against Athens in 440 BC because the Athenians ruled against it in a dispute with its rival Miletus over possession of the city of Priene.

ANSWER: SAMOS

[10] Samos' rivalry with Miletus stretched all the way back to this conflict fought between the neighboring cities of Chalcis and Eretria on the island of Euboea, beginning around 720 BC.

ANSWER: LELANTINE War

[10] A lot of people suspected that Pericles decided against Samos because this mistress of his was from Miletus. She may have given Pericles' funeral oration, after which she went off to live with a dull cow-merchant named Lysicles.

ANSWER: ASPASIA

4. Long-time sufferers of this disease may develop subcutaneous, and occasionally not-so subcutaneous, lumps known as "tophi." For 10 points each:

[10] Name this so-called "disease of kings," a rheumatological disorder in which uric acid crystals deposit in inflamed joints, particularly the one at the base of the big toe.

ANSWER: GOUT [go ahead and accept PODAGRA too, we're nice; prompt on "arthritis"]

[10] Despite its arsenic-like toxicity, this medication is still administered to treat gout. Because this compound enjoys binding to tubulin, preventing microtubule polymerization, it interrupts mitosis at the spindle assembly checkpoint.

ANSWER: COLCHICINE

[10] These other crystals build up in the knee joint and in other connective tissue in a condition nicknamed "pseudogout." Breakdown of ATP into AMP in joints is a plausible explanation for why these crystals form.

ANSWER: CALCIUM PYROPHOSPHATE dihydrate [or CaP₂O₇.H₂O if you're a go-getter, preferably don't read the formula out loud; prompt on "pyrophosphate"]

5. The singer of this aria recalls "sweet kisses and languorous caresses" before sobbing, "I die in desperation / And I never before

loved life so much.” For 10 points each:

[10] Name this aria sung by a painter as he awaits execution in a prison cell at the Castel Sant’Angelo.

ANSWER: “E LUCEVAN LE STELLE” [or “AND THE STARS WERE SHINING”]

[10] Cavaradossi sings “E lucevan le stele” in the third act of this Puccini opera that concludes with the title singer jumping to her death off the roof of the Castel Sant’Angelo.

ANSWER: TOSCA

[10] Tosca sings this aria in the second act while she deliberates whether she should sleep with the chief of police Scarpia to save her beloved Cavaradossi from execution.

ANSWER: “VISSI D’ARTE” [or “I LIVED FOR ART”]

6. Like all sensible beings, this god responded to receiving a bee sting by going on a world-destroying rampage, until Kam-rusepa, the goddess of magic, extricated his anger and brought it to the underworld. For 10 points each:

[10] Name this Hittite god of farming, who joined a legion of other Persephone cognates by disappearing and causing crops to fail and livestock to die.

ANSWER: TELIPINU [or TELEPINUS]

[10] A different Hittite myth relates that on the cusp of death, Telipinu performed this action, which also happened to Ogoun and Sita. Autochthonous beings are born by performing the *opposite* of this action. (emphasize opposite)

ANSWER: DESCENDING INTO THE EARTH [or GOING UNDERGROUND; or being SWALLOWED BY EARTH; accept anything indicating motion INTO THE EARTH; or INTO THE GROUND; accept RETURNING TO THE EARTH]

[10] Autochthons in Greek mythology include Erichthonius, who was born when Hephaestus’s seed spilled onto the ground, having been brushed off this goddess’s thigh. This goddess emerged from Zeus’s cloven forehead.

ANSWER: ATHENA

7. In his best-known work, this man postulated three conceptualized devices called the Doomsday Machine, the Doomsday-in-a-Hurry Machine, and the Homicide Pact Machine. For 10 points each:

[10] Name this man who applied game theory to Cold War politics in his book *On Thermonuclear War*.

ANSWER: Herman KAHN

[10] Kahn began his work after listening to a speech of this politician, who coined the term “massive retaliation” and helped devise a foreign policy program known as the New Look.

ANSWER: John Foster DULLES

[10] This U.S. president loved Herman Kahn, and issued the order for Operation Giant Lance based on what he called his “madman theory,” as he related to his Chief of Staff H.R. Haldeman.

ANSWER: Richard NIXON

8. An elderly character in this story reads *Green Eggs and Ham* out loud to improve his English skills, in the hopes of impressing a woman he had met on his senior citizen tours to Europe. For 10 points each:

[10] Name this story in which Ruma and her biracial son Akash are devastated to learn that Ruma’s widower father, who had been living with them in Seattle, has left them to live with a new girlfriend.

ANSWER: “UNACCUSTOMED EARTH”

[10] In this story by the same author, Mrs. Das reveals to the tour guide Mr. Kapasi that her son Bobby was born after she was raped by one of her husband’s visiting friends. This story ends at a Sun Temple, where Mr. Kapasi saves Bobby from a pack of aggressive monkeys.

ANSWER: “The INTERPRETER OF MALADIES”

[10] Both “Unaccustomed Earth” and “The Interpreter of Maladies” are title stories of collections by this Indian-American author of *The Namesake*.

ANSWER: Jhumpa LAHIRI

9. This essay claims that Kierkegaard lived the absurd and had the “desperate joy of a man crucified and happy to be so,” and calls *The Seducer’s Diary* “a manual of cynical spiritualism.” For 10 points each:

[10] Name this essay that argues “nothing has been experienced but what has been lived and made conscious.”

ANSWER: The MYTH OF SISYPHUS

[10] In the *Myth of Sisyphus*, Camus uses this character as an example of the absurd man because he is an ordinary seducer,

“except for the difference that he is conscious, and that is why he is absurd.” Carlos Castaneda wrote a work about a different man by this name in his outline of the Yaqui’s philosophical beliefs.

ANSWER: DON JUAN [accept “DON JUAN Matus”]

[10] Camus also claims that this act which has only been studied as a social problem is actually the “one truly serious philosophical problem,” and calls Kirilov, from Dostoyevsky’s *The Possessed*, an advocate of its “logical” form.

ANSWER: SUICIDE

10. It is the most efficient of the sorting algorithms with run-time big O of n-squared, and it works by using smaller and smaller gap sizes with each pass, for 10 points each:

[10] Name this modification of insertion sort which swaps distant, rather than adjacent, entries in a list.

ANSWER: SHELL SORT

[10] This Stanford computer scientist wrote a paper on shell sort analyzing the viability of using consecutive gap sequences in the form 2-to-the-p times 3-to-the-q. A recursive application of Fermat’s little theorem generates a primality certificate named for this scientist which improves on the Lucas-Lehmer heuristic.

ANSWER: Vaughan PRATT

[10] Pratt may be better known for developing this type of algorithm with Knuth and Morris which attempts to find occurrences of a set of characters within its namesake structure.

ANSWER: STRING SEARCHING [accept equivalents, like LOOKING THROUGH STRINGS]

11. The Sarum version of one of these texts was used for centuries by priests at Salisbury Cathedral. For 10 points each:

[10] Identify this type of book that contains a calendar of festivals and feasts, along with accompanying prayers. A *plenum* version of this type of text was compiled in the 13th century.

ANSWER: MISSAL [or MISSALE]

[10] Thomas Cranmer sought to simplify the Sarum Missal with this work, a liturgical book used in Anglican Churches. It is the origin of the phrases “Peace in our time” and “Till death do us part”.

ANSWER: The BOOK OF COMMON PRAYER

[10] This pope, fond of hair shirts but not of prostitutes, issued the Roman Missal which became the standard used in Catholic services. He also covered up the nudity in Michelangelo’s paintings in the Sistine Chapel and excommunicated Elizabeth I of England.

ANSWER: PIUS V [or Antonio GHISLIERI; or Michele GHISLIERI; prompt on “Pius”]

12. This artist sparked a national controversy with his depiction of wounded, crippled soldiers in *The Trench*. For 10 points each:

[10] Name this German artist who painted the unsettling *Portrait of the Journalist Sylvia von Harden*, and created the triptych *Metropolis*.

ANSWER: Otto DIX

[10] After starting New Objectivity with George Grosz, Otto Dix started working on a cycle of 51 war prints modeled on this horrific Goya series of 82 prints based on the Napoleonic invasion of Spain.

ANSWER: The DISASTERS OF WAR [or Los DESASTRES DE LA GUERRA]

[10] Grosz created this monumental painting in 1926 that shows Paul von Hindenburg, an arms-dealer, and four disembodied tuxedos without heads sitting around a table while a dollar obscures the light as part of the title event.

ANSWER: ECLIPSE OF THE SUN [or URSACHEN DER SONNE]

13. One part of this text is entitled “The Midwife Addresses the Woman Who Has Died in Childbirth.” For 10 points each:

[10] Name this twelve-book text of the 16th century by the Franciscan priest Bernardino de Sahagún, which consists of columns in Spanish and columns in Nahuatl.

ANSWER: FLORENTINE CODEX [or THE UNIVERSAL HISTORY OF THE THINGS OF NEW SPAIN; or LA HISTORIA UNIVERSAL DE LAS COSAS DE NUEVA ESPANA]

[10] Another priest hanging around New Spain at the same time, Bartolomé de las Casas engaged in a 1550 debate at Valladolid with this Spanish theologian over whether the Native Americans in the New World should be enslaved.

ANSWER: Juan Ginés de SEPÚLVEDA

[10] Years later, this other Franciscan friar whose life was chronicled by Francisco Palou founded the first group of nine mis-

sions in California, including San Diego and San Juan Capistrano, around 1769.

ANSWER: Junípero SERRA [or Father/Fra/Friar Juniper SERRA]

14. Since the Hall force is perpendicular to the gradient of electric field, the trajectories of electrons in reciprocal space in response to a magnetic field lie along this surface. For 10 points each:

[10] Name this surface named for an Italian physicist, which separates occupied from unoccupied energy states in an atom.

ANSWER: FERMI surface

[10] In iron and other metals, the Fermi surface extends beyond this boundary, which contains wavevectors with absolute values less than π over twice the lattice parameter.

ANSWER: FIRST BRILLOUIN ZONE [prompt on partial answer]

[10] The cross-sectional radius of the Fermi surface can be measured by this effect in which the magnetic moment of a system oscillates with a fixed frequency as a function of the inverse of the applied magnetic field.

ANSWER: de HAAS-VAN ALPHEN effect

15. The protagonist of this work has affairs with Yadwiga and Masha, who are both Holocaust survivors, before discovering his first wife Tamara is actually alive. For 10 points each:

[10] Name this story in which Hermann Broder escapes from Poland by hiding in a hayloft for several years, only to come to New York City and commit accidental adultery.

ANSWER: ENEMIES, A LOVE STORY [or SONIM, DI GESCHICHTE FUN A LIEBE]

[10] This author of *Enemies: A Love Story* wrote about Yasha Mazur's affair with Magda Zbarski in *The Magician of Lublin* and described the Jewish Messianic cult of Shabbatai Zevi in his *Satan in Goray*.

ANSWER: Isaac Bashevis SINGER

[10] Singer wrote about the actor Jacques Kohn reminiscing about taking this author to a brothel in a story titled "A Friend of" this man. Anatole Broyard titled a memoir for when this man "was the rage."

ANSWER: Franz KAFKA

16. This bonus is a barometer of your Heinrich Biber fever. For 10 points each:

[10] Biber represented the different stages of a Christian ritual with 15 violin and continuo sonatas, each using a unique scordatura tuning, in this collection, whose closing passacaglia is one of the earliest known pieces for solo violin.

ANSWER: ROSARY Sonatas [or MYSTERY Sonatas; or COPPER ENGRAVING Sonatas]

[10] Biber dedicated his *Rosary Sonatas* to his employer Max Gandolf von Kuenberg, Archbishop of this city. Years later, Mozart scored his first gig as court musician in this city, his birthplace, where he composed his violin sonatas.

ANSWER: SALZBURG

[10] In his *Sonata rappresentativa*, Biber instructed the violin to imitate a cuckoo by performing this non-trill technique, which either involves a whispering reiteration of a single note, or a rapid alternation between two notes.

ANSWER: TREMOLOS

17. This event prompted Walter Cronkite to proclaim: "that we are mired in stalemate seems the only realistic, yet unsatisfactory, conclusion." For 10 points each:

[10] Identify this landmark military campaign launched by the NVA and the Viet Cong in early 1968, a series of attacks over 100 South Vietnamese towns and cities, including the beginnings of the Battle of Khe Sahn and siege of Hue.

ANSWER: TET OFFENSIVE [or TET MAU THAN]

[10] On the day after Tet way back in 1418, this opponent of Liu Sheng began the Lam Son uprising against the Ming dynasty. That uprising led this Vietnamese hero to establish his namesake dynasty.

ANSWER: LE LOI [or LE THAI TO; prompt on "Le," which is the dynasty being referred to]

[10] During Tet in 1786, this uprising achieved success when the emperor Quang Trung defeated the Later Le Dynasty, despite the backing of the Qing emperor Qianlong. This rebellion had been led by the three brothers Nguyen Nhac, Nguyen Lu, and Nguyen Hue starting in 1771.

ANSWER: TAY SON Uprising/Rebellion [or "Nguyen TAY SON"]

18. This compound is added to a hemiaminal, which is then hydrolyzed to form an aldehyde, in the Bouveault aldehyde syn-

thesis. For 10 points each:

[10] Name this common reagent with chemical formula $(\text{CH}_3)_2\text{NC(O)H}$ (mod note: read what you see in order), which catalyzes the reaction between carboxylic acids and thionyl chloride to give the corresponding acyl chlorides.

ANSWER: DIMETHYLFORMAMIDE [or DMF]

[10] DMF joins a handful of wonderful solvents, such as DMSO and THF, that have these two properties, meaning that they don't hydrogen bond and they can dissolve charged species, making them great for conducting $\text{S}_\text{N}2$ reactions in.

ANSWER: POLAR and APROTIC [order doesn't matter; accept word forms of those things, prompt if only one of them is given, accept NOT PROTIC instead of aprotic]

[10] Because these organomagnesium compounds are really basic, reactions with them pretty much have to be carried out in polar aprotic solvents, preferably THF.

ANSWER: GRIGNARD reagent

19. This essay demonstrates a point by suggesting that an untrained person drawing a street will depict the horizontal lines of an ideal street, instead of using his eyes to see what the street actually looks like. For 10 points each:

[10] Name this short essay arguing that the title everyday event from a 1603 play deepens the reader's horror in reaction to the murder of Duncan that just preceded it.

ANSWER: "ON THE KNOCKING AT THE GATE IN MACBETH"

[10] This English essayist wrote "On the Knocking at the Gate in Macbeth," and broached the topic of drug addiction in his autobiography *Confessions of an English Opium-Eater*.

ANSWER: Thomas (Penson) DE QUINCEY

[10] By publishing an expose in Edinburgh's *Tait's Magazine*, de Quincey became the first person to point out this specific tendency of a particular author, which particularly harmed Jean Paul and Friedrich Schelling. Debate about this issue then lay dormant until 1971, when Norman Fruman published a book subtitled *The Damaged Archangel*.

ANSWER: Samuel Taylor COLERIDGE'S PLAGIARISM [accept synonyms like COLERIDGE BLATANTLY CRIBBING SHIT from people; prompt on "plagiarism" or synonyms; prompt on "Coleridge"]

20. Opposed to Freud's views on the stagnation of ego development in early adulthood, this thinker posited that the development of one's ego identity was a lifelong process. For 10 points each:

[10] Name this thinker who saw the potential for growth and stagnation, which he termed psychosocial crises, at each of his eight stages of ego development. He outlined his views in his most famous work, *Childhood and Society*.

ANSWER: Erik Homburger ERIKSON

[10] This stage in Erikson's model of ego development presents the crisis of identity vs. role confusion, where mastery is achieved when one's private self matches up with their public self leading to the formation of a distinct, unified identity. The quality of fidelity is acquired during this stage.

ANSWER: ADOLESCENCE [accept word forms]

[10] This one-time student of Erikson saw ego development progress through early, middle and advanced ego development. Her models of ego development were based on studies of the Washington Sentence Completion Test, and summarized in the two-volume work *Measuring Ego Development*.

ANSWER: Jane LOEVINGER (Weissman)

EXTRA BONUS

21. John Hartford's album *Aereo-plain* helped usher in the "progressive" subgenre of this type of music. For 10 points each:

[10] Name this genre of music, which is traditionally played on acoustic instruments with simple chord progressions. Lester Flatt and Earl Scruggs popularized it in the 1960s.

ANSWER: BLUEGRASS

[10] Earl Scruggs developed the three-finger style of playing this popular bluegrass instrument. It was brought to America by African slaves.

ANSWER: BANJO

[10] The name "bluegrass" comes from this musician's band, the Blue Grass Boys. This "Father of Bluegrass" wrote the standards "Uncle Pen" and "Blue Moon of Kentucky."

ANSWER: Bill MONROE