



**ACADEMIC
COMPETITION
FEDERATION**

2023 ACF NATIONALS

Tiebreakers and Extra Questions

Packet By

Editors and Various Teams

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Various Teams

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TOSSUPS

[The following question can be read to any team]

To gain popular support for this group, Catholic missionary Sidney Gulick devised a system of “friendship dolls.” This was the largest group prevented from leasing arable land for more than three years at a time by the Webb–Haney Act. John Henry Schnell imported fifty thousand trees to a settlement where the first member of this group was born. Members of this group who served in the 442nd Infantry Regiment include a longtime senator who lost his arm during World War II. This group was the largest one responsible for marrying “picture brides.” The Army’s inability to distinguish between loyal and disloyal members of this group was cited in a majority opinion by Hugo Black. The Gentlemen’s Agreement of 1907 limited this group’s immigration to the West Coast. For 10 points, the case *Korematsu* (“kor-eh-mot-soo”) v. *United States* stemmed from what group’s wartime internment?

ANSWER: **Japanese-Americans** [or **Nikkei-American**; accept **Issei, Nisei, Sansei, Yonsei, or Gosei**; prompt on **Asian-Americans, immigrants, migrants, aliens, Asian American and Pacific Islander, or AAPI**; reject “Pacific Islanders”] (Schnell founded the Wakamatsu Tea and Silk Farm Colony. The senator in the 442nd Infantry Regiment is Daniel Inouye.)

<American History>

[The following question can be read to any team]

Description acceptable. The upper-right corner of one panel of this artwork shows a boy hiding in a small protective cage as he lifts the gate to a larger cage beneath him. Two celebrated scenes of suffering in this artwork show a male animal doubling over to vomit blood and a female animal dragging her hind legs behind her as three arrows stick out of her. The British Museum houses the orthostats that make up this artwork, which was excavated by William Loftus and Hormuzd Rassam. The bottom third of this artwork, which is compositionally similar to the earlier Royal Standard of Ur, shows two men playing string instruments as a bearded ruler pours a libation over the bodies of his foes. This narrative palace relief sculpture shows its title ruler using a dagger, a spear, and a bow to ritually slay the title animals. For 10 points, name this Assyrian artwork that shows Ashurbanipal killing large cats.

ANSWER: **Lion Hunt of Ashurbanipal** relief [accept **Ashurbanipal’s hunt** or **Ashurbanipal hunting** until “Ashurbanipal” is read; accept descriptions of **lions** being **hunted** or **killed** in a relief or frieze; prompt on descriptions of a **hunt**]

<Painting & Sculpture>

[The following question can be read to any team.]

A screen in *scn1lab* (“S-C-N-one-lab”) mutants of this organism identified clemizole (“clem-ih-zole”) as a potential treatment for a form of epilepsy called Dravet (“drah-VAY”) syndrome. A crestin reporter and sox10 overexpression are used in this organism as a model of melanoma. A popular strain of this organism contains double mutations in *nacre* and *roy*. This organism comes in *panther* and *rose* strains, as well as a strain containing a mutation in *SLC24a5* that appears golden. After fertilization with UV-inactivated sperm, homozygous diploid clones of this organism are created by applying early pressure or heat shock. Sodium thiosulfate and sodium hydroxide are used to inactivate the mutagen ENU that is used in forward screens in this organism, which include the Tübingen and Boston ones pioneered by Driever and Nüsslein-Volhard. This organism is attractive for studying development because both its *Casper* mutant and its embryos are transparent. For 10 points, name this striped tropical fish used as a model organism.

ANSWER: **zebrafish** [or **Danio rerio** or **D. rerio**; accept **zebra danio**; accept **zebra** after “fish”; prompt on **Danio**; prompt on bony **fish** or ray-finned **fish** until “fish”; prompt on **Actinopterygii**]

<Biology>

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[The following question MAY NOT be read to Northwestern A]

This psychologist wrote admiringly of the “work contracts” that the teacher Mrs. Shiel gave to her students in a book that lists ten principles of learning. This psychologist stated that values are either “experienced directly by the organism” or are “introjected” from others but “perceived in distorted fashion”; that statement is one of a set of 19 propositions this psychologist outlined. This psychologist influenced Anatol Rapoport’s notion of “role reversal” in debate, which supplements his namesake strategy of rhetoric. “Congruence” is one of the necessary conditions for personality change, according to this author of *Freedom to Learn*. A “non-directive” approach to therapy developed by this psychologist recommends using “unconditional positive regard” to facilitate self-actualization. For 10 points, what author of *On Becoming a Person* pioneered client-centered therapy?

ANSWER: Carl **Rogers** [or Carl Ransom **Rogers**; accept **Rogerian** rhetoric or **Rogarian** argument]

<Social Science>

[The following question MAY NOT be read to Chicago A]

A 2002 *Science* article by Angela Belcher’s lab reports the multi-length scale ordering of these materials into biocomposite liquid crystalline films using a M13 bacteriophage with an A7 binding motif. The “hot-injection” method for synthesizing these materials creates more focused size distributions than the “heat-up” method. For cellular imaging, luminescent examples of these materials are preferably made out of carbon, which is far less toxic than the metalloids used in their core-shell design. As LED size shrinks, these materials are replacing organic phosphors in display technologies. These materials are commonly made out of cadmium selenide (“SELL-uh-nide”). The properties of these materials fall between those of bulk semiconductors and those of individual molecules. For 10 points, name these miniscule semiconductors whose name likens them to zero-dimensional objects.

ANSWER: **quantum dots** [or **QDs**; accept colloidal **quantum dots** or carbon **quantum dots**; prompt on **semiconductors** until read; prompt on semiconductor **nanocrystals** or **nanoparticles** or **colloids**]

<Physics>

[The following question can be read to any team.]

During this war, John William Friso came of age and immediately assumed a generalship, including at a battle where his forces supported an assault on the Wood of Sars. During this war, a faction unsuccessfully rallied around the slogan “No Peace Without [one country]” in opposing a resolving treaty. A set of “Barrier Treaties” were signed during this war, which Ferenc Rákóczi (“FAIR-ents RAH-coat-see”) used as an opportunity to lead an independence revolt. During this war, a fleet under George Rooke led a late-season attack on treasure ships anchored in Vigo Bay. In this war, John Methuen negotiated a treaty that allowed duty-free exportation of domestic wool in exchange for lower tariffs on foreign wine. Both sides suffered heavy casualties at the Battle of Malplaquet (“mahl-plah-KAY”) in this war, which was ended by the Peace of Utrecht (“OO-trekt”). For 10 points, name this war during which Louis XIV raised Philip V to an Iberian throne.

ANSWER: War of the **Spanish Succession** (The first sentence refers to the Battle of Malplaquet. The second sentence refers to the slogan “No Peace Without Spain” used by the British.)

<European History>

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[The following question can be read to any team]

Apollo took the form of a man with this name to remind Aeneas that the latter had bragged about not being afraid of Achilles. In the *Iliad*, a man of this name was ransomed for a silver urn by King Euneus (“ay-uh-nay-us”) of Lemnos; that man of this name loaned his cuirass to his brother Paris for the latter’s duel with Menelaus (“men-eh-LAY-us”). The city of Trapezus (“trah-pee-zus”) was either named for a son of a man of this name, or for an incident in that man’s kingdom in which a table was overturned by a god. During Achilles’s rampage, a prince of Troy with this name grabbed Achilles’s knees and begged him for mercy. A ruler of this name had a son named Nyctimus who was saved by the intervention of Gaia. The remaining fifty sons of that ruler of this name were killed by a god to whom he offered a meal of disguised human flesh. For 10 points, give this name held by a king of Arcadia whom Zeus turned into a wolf.

ANSWER: **Lycaon** (“lie-kay-on”) [or **Lykaon**; accept **Lycaon** of Arcadia]

<Mythology>

[The following question MAY NOT be read to Maryland]

This organic compound is fused onto a benzene ring in Roger Tsien’s first calcium-sensing aminopolycarboxylate dye, which is named for it. This compound is fused onto a coumarin (“coo-mah-rin”) in the class of natural products found in grapefruit juice, which inhibit cytochrome P450s (“P-four-fifties”). Derivatives of this compound form when 1,4-diketones cyclize in strong acid and then dehydrate. The aldehyde and alcohol derivatives of this compound, which are the major products of digesting corn stover and sugarcane, copolymerize to form an inert thermosetting resin. Monosaccharides (“mon-oh-SACK-uh-rides”) named for this compound, which include ribose and fructose, are contrasted with pyranose sugars. This compound substitutes a billion times faster than benzene in EAS reactions, but is less basic than its isoelectronic heterocycles thiophene and pyrrole (“peer-ol”). For 10 points, what aromatic five-membered ring containing oxygen is hydrogenated to produce THF?

ANSWER: **furan** [accept **furanose**; accept **furanocoumarins**; reject “THF” or “tetrahydrofuran”] (The first sentence refers to Fura-2. Furan resins are usually made from furfuryl alcohol and furfural.)

<Chemistry>

[The following question MAY NOT be read to Stanford]

Responding to this book, a philosopher noted “with pleasure” its author’s example of a man in confinement who is compelled to watch a wild beast brutally murder his child. In later editions of this book, Cleomenes (“clee-AH-muh-nees”) serves as the mouthpiece for the author in dialogues with Horatio and Fulvia. Rousseau’s *Discourse on Inequality* argues, contra this book, that mankind possesses a natural pity from which all the social virtues arise. In this book, twenty “remarks” and an *Enquiry into the Origin of Moral Virtue* follow a section that praises the “shabby crooked vine” that “choked other plants” and warns that “fools only strive” for a “vain utopia.” This book shows how “private vices” create “public benefits” via a poem in which a society fails when its members begin to act virtuously. For 10 points, name this 1714 book about a group of insects by Bernard Mandeville.

ANSWER: *The **Fable of the Bees*** [or *The **Fable of the Bees: or, Private Vices, Publick Benefits***] (The first sentence is from Jean-Jacques Rousseau’s *Discourse on Inequality*.)

<Philosophy>

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[The following question can be read to any team]

This state borders the northern shores of Lake Chapala. This state is home to a dish of deep-fried minnows called *charales* (“chah-RAH-les”). By composing a new tune, Jesús González Rubio repopularized a courtship dance from this state in which a man dances around his dropped hat. A sport in this state in which a galloping horse drifts 50 meters to a stop opens up rodeos called *charreadas* (“chah-ray-AH-dahs”). This state is home to a soccer team nicknamed “The Sacred Flock” that is supported by *tapatíos* (“tah-pah-TEE-ohs”). During a famine in this state’s city of Cocula, starving peasants used stew pots to soften goat meat, creating the first *birria* tacos. The Cuervo family once dominated the production of an alcoholic beverage made of blue agave plants out of this state’s city of Tequila. This state, which separates Zacatecas (“sah-cah-TAY-cahss”) and Michoacán (“mee-cho-ah-CON”), is the home of mariachi music. For 10 points, Puerto Vallarta is located in what Mexican state whose capital is Guadalajara?

ANSWER: **Jalisco** (“ha-LEE-skoh”) [or **Xalisco**, Free and Sovereign State of **Jalisco**, Estado Libre y Soberano de **Jalisco**, or Tlahtohcayotl **Xalisco**]

<Geography>

[The following question MAY NOT be read to Georgia Tech A]

A critic with this surname wrote about “an attempt to spiritualize literature, to evade the old bondage of rhetoric, the old bondage of exteriority” in a book that was dedicated to his friend W. B. Yeats. An author with this surname wrote a book that describes how his friend Millard gave him a stack of letters describing the last days of a penniless, homeless writer’s life in Venice. A writer with this surname is called “the impressionistic critic” in T. S. Eliot’s essay “The Perfect Critic,” and introduced Eliot to the work of Jules Laforgue (“zhool lah-FORG”). An author with this surname wrote an “experiment in biography” called *The Quest for Corvo*. A critic with this surname introduced French symbolist writers to a wider English-speaking audience in the 1899 book *The Symbolist Movement in Literature*. For 10 points, give this surname shared by the biographer A. J. A. and the critic Arthur.

ANSWER: **Symons** [accept Arthur William **Symons**; accept A. J. A. **Symons** or Alphonse James Albert **Symons**]

<British Literature>

[The following question MAY NOT be read to Chicago A]

Annette Lee, a Lakota scholar whose Ph.D involved studying these objects, works with her husband Wilfred Buck to synthesize scientific and Indigenous knowledge of them. The Ho-Chunk story “Itcohorucika and His Brothers” and the Blackfoot legend “Poia’s Journey,” which is about a boy whose father was one of these objects, are among “Stories” about them made into video animations by the Smithsonian Museum of the American Indian. In an Ojibwe story that is also about the seasons, the protagonist, Great Fisher, turns into these objects. In Cherokee stories, these objects represent the two “barking dogs” that judge the souls of the dead. In Cheyenne legend, seven people threatened by a bear were turned into these objects as Devils Tower emerged. The Lakota refer to a large set of these things as the “Trail of Spirits.” For 10 points, name these objects that the Inuit developed stories about while using them for navigation.

ANSWER: **stars** [accept **constellations**, **asterisms**, **galaxies**, or **planets**; accept the **Pleiades**, the **Big Dipper**, **Ursa Major**, or the **Milky Way**; prompt on **celestial bodies** or the night **sky**; reject “the Sun” or “the Moon”]

<Mythology>

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[The following question MAY NOT be read to Chicago B]

The theological role this deity plays in the place of abortion is discussed in William LaFleur's book *Liquid Life*. In Chinese traditions, this deity's mount is an unusual creature with a single horn capable of receiving signals from anywhere in the universe called the *Ditīng*. This deity, who is usually depicted with a wish-fulfilling jewel, is known for vowing to instruct all beings in the period between Gautama's death and Maitreya's coming. In Japan, this being is often depicted in graveyard statues adorned with bright red knitted caps, as this deity is thought to guide dead children over the Sanzu River and protect them in the next life. For 10 points, name this Bodhisattva primarily revered in East Asia, who legendarily vowed to defer enlightenment until all hell-worlds are cleared of beings.

ANSWER: **Jizō** [or **Jizō** Bosatsu; or **Ksitigarbha**, **Dizàng**, **Đia Tang**, or **Jijang**; accept **sa yi snying po**; accept **Ojizō**-sama]

<Religion>

[The following question can be read to any team]

In 1999, this artist declared, "I do not have health insurance" in an indignant response to Daniel Socolow asking her to recommend someone else for a MacArthur "Genius Grant." This artist's 18th-century house in upstate New York was featured in the film *Kitch's Last Meal*. While suspended from Bard College, this artist met composer James Tenney, who features in this artist's series *Fuses*. A work by this artist consists of a grid of mostly out-of-focus Polaroids she took of a morning ritual of kissing her cat. A misunderstanding led this artist to think the painter of *Pyramid of Skulls* was a woman, a theme she explored in her book *Cezanne: She Was a Great Painter*. This artist and seven assistants performed a piece in which they ecstatically played with raw fish and chicken. For another piece, she pulled a long piece of paper from her vagina. For 10 points, name this performance artist of *Meat Joy* and *Interior Scroll*.

ANSWER: Carolee **Schneemann** [or Carol Lee **Schneiman**] (The cat series is *Infinity Kisses*.)

<Other Fine Arts>

[The following question can be read to any team.]

In this state, the Kelly family used a trap door in their tavern to murder travelers. The clairvoyant Kate lured inn residents who were murdered and buried in an orchard by this state's Bloody Benders. After not killing for over a decade, a serial killer in this state was caught from Microsoft Word metadata on a floppy disk that described his church. This state's serial killer Dennis Rader gave himself the nickname of "bind, torture, kill," or BTK. While volunteering as a church usher in this state in 2009, the late-term abortion advocate George Tiller was shot. A portable radio and binoculars were stolen in a house robbery in this state, during which the failure to find a safe resulted in a family being murdered in their basement. In a 2005 movie, an author played by Phillip Seymour Hoffman travels to this state to interview the imprisoned murderers Perry Smith and Dick Hickock. For 10 points, the murder of the Clutter family in Holcomb in what state inspired Truman Capote's *In Cold Blood*?

ANSWER: **Kansas** [or **KS**]

<Other Academic>

[The following question MAY NOT be read to Yale A]

Several multicolored orbs top Karl Momen's concrete sculpture *Metaphor: The Tree of [this state]*, which was allegedly constructed to prevent drivers from falling asleep. A former Air Force base in this state hosted several artworks for the Center for Land Use Interpretation, including a room-sized installation of various vessels encrusted in salt; that installation is William Lamson's *Mineralogy*. In this state, the constellations of Draco, Perseus, Columbia, and Capricorn are aligned with holes in hollow concrete cylinders in Nancy Holt's *Sun Tunnels*. In this state, a land artist who wrote "et in [this state] ego" had himself filmed from a helicopter while struggling to traverse the stones he had arranged into a title shape extending into a large lake. For 10 points, name this state where Robert Smithson constructed *Spiral Jetty*.

ANSWER: **Utah** [or **UT**; accept *Metaphor: The Tree of Utah*]

<Painting & Sculpture>

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[The following question MAY NOT be read to Stanford]

An artist with this first name made paintings like *Houses on a Barge* and *Crimson and Green Leaves* while living on a houseboat in Long Island. That artist with this first name, whose hair color inspired the nickname “Reds,” co-owned a cottage in Huntington, New York, with Arthur Dove; that artist had the last name “Torr.” A student of Rufino Tamayo with this first name spent summers in Provincetown while being mentored by Hans Hofmann. That artist with this first name painted two trees with two blue “100s” in between them in *Eden*. A road trip to Nova Scotia inspired a painting by an artist with this first name who married Robert Motherwell. That artist with this first name painted *Grey Fireworks* and *Mountains and Sea* by diluting oil paint with turpentine. For 10 points, the “soak stain” technique was invented by an abstract expressionist with what first name and the last name Frankenthaler?

ANSWER: **Helen** [accept **Helen** Frankenthaler; accept **Helen** Torr]

<Painting & Sculpture>

[The following question MAY NOT be read to Brown]

A painter from this family began to take up still life late in his career with several depictions of upside-down hanging dead birds on a marble tabletop. Like his contemporary Jan van Goyen, that painter from this family primarily painted scenes featuring water like *Drawing the Eel*. That painter was the uncle of another artist from this family who changed its spelling to use an “i” instead of a “y.” A painter from this family included a split trunk among a brook in the bottom right of many views of Bentheim Castle. Two versions of a painting by that artist from this family both feature a rainbow on the left and show the ruins of Egmond Castle intermingled with tombs. The most famous member of this family from Haarlem depicted many waterfalls and windmills next to rivers and painted *The Jewish Cemetery*. For 10 points, give this family name of the Dutch landscape painters Salomon and Jacob.

ANSWER: van **Ruisdael** family [accept Jacob van **Ruisdael**; accept Salomon van **Ruysdael**]

<Painting & Sculpture>

[The following question can be read to any team]

According to Pausanias, this deity was honored with a sacred cypress grove in the Philasian citadel. The “Hymn to the Muses” that opens Hesiod’s *Theogony* states that this deity wears a crown of gold. This deity was gifted two doves with human voices, one of which flew to Dodona. Iolaus (“eye-oh-LAY-us”) prayed to this deity to gain the strength to fight against King Eurystheus (“yur-ISS-thee-us”). In one story, this mother of Alexiades (“ah-lex-ee-air-eez”) and Anicetus (“an-ick-ee-tus”) was conceived after Hera ate lettuce. After accidentally tripping and exposing her breasts, this Greek equivalent of Juventas (“yoo-ven-tas”) was replaced in her main role by a handsome youth that Zeus captured by turning himself into an eagle. After Heracles’s ascension to Olympus, this deity married him. For 10 points, the predecessor to Ganymede (“GAN-ih-meed”) as the cupbearer of the gods was what goddess of youth?

ANSWER: **Hebe** (“HEE-bee”) [or **Dia**; accept **Ganymeda** until “Ganymede” is read; accept **Juventas** until read]

<Mythology>

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[The following question MAY NOT be read to Chicago A]

A recent biography of this artist's early years, whose subtitle calls this artist *A Very Very Person*, is by Paul Moorhouse. With Peter Sedgley, this artist designed an almost seven-foot-high structure with a polygonal outside and a painting along its spiral inside. This artist of *Continuum* likened a formative childhood experience in water to "swimming through a diamond" in an essay written two decades after being popularized in a 1965 *Vogue* interview. This non-American artist is often classified under a term coined to describe the work of Julian Stanczak ("stan-chak"). Alongside Richard Anuszkiewicz ("AH-nuss-KAY-vitch") and Victor Vasarely, William Seitz included this artist's painting *Hesitate* in the MoMA exhibition *The Responsive Eye*. This artist's painting *Current* uses wavy patterns in alternating black and white to affect the viewer's vision. For 10 points, what female British creator of op art painted *Movement in Squares*?

ANSWER: Bridget **Riley** [or Bridget Louise **Riley**]

<Painting & Sculpture>

[The following question MAY NOT be read to Texas]

A poem titled for this time period commands, "Remus, blow your horn!" and repeats the line, "The wind pours down." The speaker exclaims, "Tum-ti-tum, Ti-tum-tum-tum!" in a poem titled for this time period that repeats the image of "The white cock's tail / Toss[ing] in the wind." The "postponed resentments" and "prim precautions" of Satin-Legs Smith are the subject of a poem set during this time period. The speaker describes "fearing the chronic angers of that house," and asserts that "No one ever thanked" his father who "put his clothes on in the blueblack cold" during this time period; that poem ends by asking "what did I know of love's austere and lonely offices?" A poem about this time period opens with descriptions of "coffee and oranges in a sunny chair" and "complacencies of the peignoir." For 10 points, what day titles a poem by Wallace Stevens about its "Morning?"

ANSWER: **sunday**(s) [accept "**Ploughing on Sunday**"; accept "The **Sundays of Satin-Legs Smith**"; accept "**Those Winter Sundays**" or **winter sunday**(s); accept "**Sunday Morning**"; prompt on **winter** or **morning**]

<American Literature>

[The following question MAY NOT be read to Columbia B]

A chalk sketch by this artist depicts a seated, bespectacled old woman reading as a young girl stands holding the woman's hand while smiling at the viewer. According to Roberto Longhi, Caravaggio's painting *Boy Bitten by a Lizard* may have been inspired by a chalk sketch by this artist in which a child is bitten by a crustacean. The younger of two models in this artist's sketch *Old Woman Studying the Alphabet with a Laughing Girl* also appears in this artist's most famous painting, in which this artist stands in front of an oak tree and looks at a seated figure who raises her hand. In that painting, a maid observes three figures engaging in the title activity, and through a signature on a board, the artist refers to herself as the "virgin daughter of Amilcare ("ah-MEEL-kah-ray')." For 10 points, name this Italian Renaissance artist who painted her sisters engaging in the title *Game of Chess*.

ANSWER: Sofonisba **Anguissola** [or **Sofonisba** Anguissola]

<Painting & Sculpture>

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[The following question can be read to any team]

An academic in this country created a trade union movement called “gremialismo.” The historian Peter Winn analyzed claims that this country was targeted by an “invisible blockade” designed to “make its economy scream.” A writer from this country recalled fleeing this country with a copy of Eduardo Galeano’s *The Open Veins of Latin America* in a foreword to the book’s 1997 edition. This country’s economic policies were shaped by a thick study dubbed “the Brick.” A leader of this country “Had To Die” according to an essay by Gabriel García Márquez that discloses how that leader shot himself with an AK-47 gifted by Fidel Castro. The Rettig Report was ordered by this country’s president Patricio Aylwin to probe killings by the DINA (“DEE-nah”) secret police. For 10 points, name this country where a 1973 coup overthrew Salvador Allende.

ANSWER: **Chile** [or Republic of **Chile** or República de **Chile**]

<Other History>

[The following question can be read to any team]

One of this kingdom’s founding brothers, who set up its unusual succession scheme in which the younger son fathered the heir, legendarily lost several sons by failing to complete ritual circumcisions with the *tsodrano* blessing. This kingdom used fano seeds in aleatoric divination called *sikidy*. Naivo’s novel *Beyond the Rice Fields* fictionalizes this kingdom’s New Year’s ritual of royal bathing. An incomplete chronicle from this kingdom called the *Tantara* traces its origin to Rangita of Alasora, who belonged to a race of supernatural dwarves called Vazimba. This kingdom’s early ruler Ralambo ended its taboo on zebu meat and consolidated power with *sampy* idols. In this kingdom of 12 sacred hills, noble *andriana* kept ancestral tombs in *rova* compounds like Ambohimanga. For 10 points, witches and Christians were persecuted with ordeals by *tangena* nut under what island kingdom’s queen Ranavalona I?

ANSWER: **Merina** Kingdom [or **Imerina**; or Fanjakan’**Imerina**; accept Kingdom of **Madagascar**; accept **Alasora** until read] (The founding brothers were Andriamanelo and Andriamananitany. The bathing ritual was called fandroana.)

<World History>

[The following question can be read to any team]

A royal mausoleum on this island preserves the “Genealogical Tablet,” which corroborates the dating of a ruler who steals a gem from a mountain’s dragon in the *Silsilah*. An empire based on this island reached its apex under a 15th-to-16th-century ruler buried in Kola Batu. The *Hikayat Banjar* records this island’s 18th-century pepper exports to China, whose Hakka miners controlled this island’s diamond and gold fields in Landak with *kongsi* federations like the Lánfāng Republic. A part-Bajau leader known as Mat Salleh rebelled against a British chartered company in this island’s north, where headhunting was practiced by the Kadazan-Dusun and Dayak peoples. This island’s pygmy elephants were introduced as tributes when it was the largest island ruled in part by the Sultanate of Sulu. For 10 points, the House of Bolkiah rules an extant sultanate on what island divided by Indonesia, Malaysia, and Brunei?

ANSWER: **Borneo** [accept **Kalimantan**; accept **Borneo** elephant; accept North **Borneo** Chartered Company or British North **Borneo** Company] (The first sentence refers to the Kubah Makam Di Raja, Batu Tarsilah, Sultan Ahmad obtaining a gem from Mount Kinabalu, and *Silsilah Raja-raja Berunai*.)

<World History>

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[The following question MAY NOT be read to Harvard A]

The D-S-C-H motif repeats throughout Edison Denisov's serialist sonata for this instrument and piano. A harp solo is followed by a similar chromatic solo played by this instrument in Sergei Prokofiev's *suite arrangement* of "Juliet as a Young Girl." This instrument plays the theme of the trio of the third movement of Ralph ("rafé") Vaughan Williams's sixth symphony. This instrument introduces the second theme of a *Non allegro* movement, the first of Sergei Rachmaninoff's *Symphonic Dances*. Dmitri Shostakovich used this instrument melodically in the waltz movements of his *Suite for Variety Orchestra*. A through-composed E-flat major concerto for this instrument was written by Alexander Glazunov. This instrument plays a troubadour's song in *The Old Castle*, the second tableau of Ravel's orchestration of *Pictures at an Exhibition*. For 10 points, name this bent woodwind instrument made out of brass.

ANSWER: **sax**ophone [accept alto **sax**ophone or tenor **sax**ophone or soprano **sax**ophone]

<Classical Music>

2023 ACF Nationals | Tiebreakers and Extra Questions

Editors: Harvey, Apte, Evans, Golden, Karim, Kearney, Mao, Nediger, Peet, Settle, Silverman

BONUSES

[The following question MAY NOT be read to Stanford]

This novel includes a joke in which a man claims that the integral of “one over cabin d-cabin” is not actually log cabin, but rather houseboat, since you have to add ‘c.’ For 10 points each:

[10m] Name this novel whose other mathematical details include a character named Sammy Hilbert-Spaess and many musings on the Poisson (“pwah-sahn”) distribution by the statistician Roger Mexico.

ANSWER: Gravity’s Rainbow

[10e] This author’s experience studying physics informs the many mathematical references in his novel *Gravity’s Rainbow*.

ANSWER: Thomas Pynchon [or Thomas Ruggles Pynchon Jr.]

[10h] Pynchon’s novel *Against the Day* fictionalizes an obscure feud between “vectorists” like Hastings Throyle and proponents of these mathematical objects. Several characters in the novel discuss a possible “weapon” that could be harnessed from the power of these mathematical objects.

ANSWER: quaternions [accept quaternionists; accept quaternion weapon]

<American Literature>

[The following question can be read to any team]

A 1795 François Gérard (“frawn-swah zhay-rah”) painting exhibited at the first post-Thermidorian (“ter-mih-dor-ee-an”) Reaction Paris Salon depicts this man carrying a snakebitten boy in front of a sunset. For 10 points each:

[10h] Name this historical figure depicted as an old man by Jean-Baptiste (“zhawn-bap-teest”) Stouf and Jean-François (“zhawn-frawn-swah”) Pierre Peyron. A 1781 painting shows a soldier in a red cloak raising his arms in surprise as a woman places a coin into this man’s helmet.

ANSWER: Belisarius [or Flavius Belisarius; or Bélisaire]

[10e] *Belisarius Begging for Alms* is a painting by this French neoclassical artist who also painted *The Lictors Bring to Brutus the Bodies of His Sons*.

ANSWER: Jacques-Louis David

[10m] David’s Belisarius painting was influenced by Piere Peyron, who also painted a 1787 painting with this title. Scholars have suggested that David’s painting with this title depicts a subjective memory due to the triangular composition of people converging at the back of one man’s head.

ANSWER: *The Death of Socrates* [or *La Mort de Socrate*]

<Painting & Sculpture>

[The following question can be read to any team]

One design of these devices uses a central intake weir (“weer”) whose height can be adjusted. For 10 points each:

[10h] Name these devices that, along with coalescers, can be used to remove tramp from coolant. The “rope mop” design for these devices uses a fibrillated rope of polypropylene (“poly-pro-pill-eeen”) that is oleophilic.

ANSWER: oil skimmers

[10m] When cleaning an oil spill, suction oil skimmers operate best near these things. These things consist of an above water freeboard to contain an oil spill, some flotation mechanism, a below-water skirt to reduce water lost under them, and a longitudinal support running along the bottom of the skirt.

ANSWER: containment booms

[10e] During this general process, skimmers can be used to remove oil. Namesake plants perform this general process that filters out or otherwise removes contaminants so that water is safe to be reclaimed.

ANSWER: wastewater treatment [or sewage treatment; accept treating wastewater or treating sewage; prompt on remediation or microbial bioremediation]

<Other Science>

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[The following question can be read to any team]

Answer the following about the folk hero Momotarō, for 10 points each.

[10e] Momotarō was born from one of these fruits. Some of these fruits from the Jade Emperor's garden granted immortality.

ANSWER: **peaches** [or **táozi**; accept **peaches** of immortality]

[10m] Momotarō captures a magic hammer from these beings, whom he defeats on an island named for them. These horned demons are often depicted carrying a club.

ANSWER: **oni** [accept **Oni** Island or **Onigashima**; prompt on **yōkai**; prompt on **ogres** or **demons** or **trolls**]

[10h] A dog, a monkey, and one of these creatures accompanied Momotarō to Onigashima. A green one of these creatures named Nakime was sent to Earth by Amaterasu, where it was killed by Ame-no-Wakahiko.

ANSWER: **pheasants** [accept green **pheasants** or **kiji**; prompt on **birds**]

<Mythology>

[The following question can be read to any team]

The Ireland model predicts the regioselectivity when these species react with ketones. For 10 points each:

[10e] Name these species that catalyze aldol and Claisen condensations by deprotonating carbonyl compounds. By another definition, they donate electron pairs.

ANSWER: **bases** [accept Brønsted-Lowry **bases** or Lewis **bases** or Arrhenius **bases**]

[10h] The Ireland model specifically considers the chair-like transition state of a ketone reacting with this strong hindered conjugate base of a secondary amine. This compound is widely used to deprotonate ketones because it has no nucleophilicity.

ANSWER: **LDA** [or **lithium diisopropylamide**]

[10m] LDA favors the *E*-enolate, which, due to sterics, is this type of product in a deprotonation reaction. In a reaction that forms two products, this product dominates at low temperatures because its activation energy barrier is smaller.

ANSWER: **kinetic** product

<Chemistry>

[The following question MAY NOT be read to Toronto A]

A book titled for these places argues that allowing public spaces to be observed by “eyes on the street” would decrease crime. For 10 points each:

[10e] Jane Jacobs criticized rationalists like Robert Moses in a book on the “death and life” of “great American” examples of what places?

ANSWER: **cities** [or **city**; accept *The Death and Life of Great American Cities*]

[10m] Jacobs wrote that the use of these urban locations brings with it a “constant succession of eyes.” According to Jacobs, people in these locations perform an “intricate ballet” whose parts “compose an orderly whole.”

ANSWER: **sidewalks**

[10h] An approach to criminology named for “crime prevention through” this two-word phrase makes use of the concept of “natural surveillance,” inspired by Jacobs’s “eyes on the street” model.

ANSWER: **environmental design** [or crime prevention through **environmental design**]

<Social Science>

2023 ACF Nationals | Tiebreakers and Extra Questions

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[The following question MAY NOT be read to Florida B]

Standard “lorem ipsum” text comes from this philosopher’s *De finibus bonorum et malorum* (“day FEE-nee-boose boh-NOH-room et mah-LOH-room”), which surveys Epicurean, Stoic, and Aristotelian morality. For 10 points each:
[10e] Name this Roman statesman, rhetorician, and philosopher who wrote *De re publica* (“day ray POO-blee-kah”).

ANSWER: Marcus Tullius **Cicero** [or **Tully**]

[10m] In *De finibus*, Cicero criticizes Epicurean philosophy for valorizing this state of being, which is the absence of pain. It is contrasted with *ataraxia* (“at-uh-RACK-see-uh”), the absence of mental disturbance.

ANSWER: **aponia** (“ah-poh-NEE-uh”)

[10h] A passage from Cicero is often used to interpret Epicurus’s distinction between kinetic pleasures and these “static” pleasures, which involve the removal of pain. These pleasures are necessary for achieving *aponia*.

ANSWER: **katastematic** pleasures

<Philosophy>

[The following question can be read to any team]

In this approach, the expectations of the viewer can be applied without conscious awareness, such as becoming upset at seeing a television advertisement for charities to stop animal abuse. For 10 points each:

[10h] What approach is the subject of a 1974 book subtitled “An essay on the Organization of Experience”? It describes natural and social ways people identify things like weather or objects in a culturally defined reality.

ANSWER: **frame** analysis [or word forms such as **frames** or **framing**; accept **framing** analysis]

[10e] Frame analysis was conceived by this Canadian sociologist who applied theatrical techniques to human interaction in his book *The Presentation of Self in Everyday Life*.

ANSWER: Erving **Goffman**

[10m] This linguist came up with the “truth sandwich,” in which media stories on misinformation end up activating the false frame. This thinker contrasts liberals’ and conservatives’ frames of parenting as a reference to governance in his book *Moral Politics*.

ANSWER: **George Lakoff** (“LAY-koff”) [or **George Philip Lakoff**; prompt on **Lakoff**; reject “Robin Lakoff”]

<Other Academic>

[The following question can be read to any team]

This composer combined Parisian-style neoclassicism with small ensemble rhythmic idioms in his jazz ballets *The Kitchen Revue* and *Check to the King*. For 10 points each:

[10h] Name this composer of a 1928 *Jazz Suite*. This self-taught composer and child violin prodigy was encouraged by countryman Josef Suk (“YO-sef sou”) to write cantatas like *The Epic of Gilgamesh*.

ANSWER: Bohuslav **Martinů** [or Bohuslav Jan **Martinů**]

[10e] Martinů’s jazz pieces resemble the later work of this German-born composer of the song “Mack the Knife” from *The Threepenny Opera*.

ANSWER: Kurt **Weill** [or Kurt Julian **Weill**]

[10m] Martinů’s best-known orchestral piece is likely his *Double Concerto* for two string orchestras, piano, and this instrument. The finale of Carl Nielsen’s *Inextinguishable Symphony* features a “duel” between two players of these instruments.

ANSWER: **timpani** [or **kettledrums**; accept *Double Concerto for Two String Orchestras, Piano, and Timpani*; prompt on **drums** or **percussion**]

<Classical Music>

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[The following question may be read to any team]

In a sonata for this instrument, an E major slow movement transitions *attacca* (“ah-TAHK-ah”) into an A major *allegretto*. For 10 points each:

[10m] Name this extinct bowed and fretted string instrument for which Franz Schubert wrote an A minor sonata.

ANSWER: **arpeggione** [accept **Arpeggione** Sonata or Sonata for **Arpeggione** and Piano in A minor]

[10h] In contrast to the largely accompanimental piano part of the Arpeggione Sonata, this Schubert duo work includes some of his most difficult piano writing. Its slow movement is a theme and variations on his song “Sei mir gegrüsst.”

ANSWER: **Fantasy in C major** [or **D.934**; or **Fantasy** for **Violin** and Piano; prompt on **Fantasy** or **Fantasia** or **Fantaisie**; reject “*Wanderer Fantasy*”]

[10e] The finales of both the Arpeggione Sonata and the C major Fantasy use this musical form, in which a refrain theme alternates with contrasting episodes. Schubert wrote two standalone virtuoso pieces of this type for violin.

ANSWER: **rondo** [accept **Rondo** in A major for Violin and Strings; accept **Rondo** in B minor for Violin and Piano] <Classical Music>

[The following question MAY NOT be read to Columbia B]

Description acceptable. In the section of *City of God* about the descendants of Adam and Noah, Augustine questions the existence of people with this feature. For 10 points each:

[10h] Name this feature that, according to the Coptic Saint Mercurius, was possessed by the Saints Ahrakas and Augani.

ANSWER: **cynocephaly** [accept having the **head** of a **dog**, **head** of a **jackal**, **head** of a **canine**, or equivalents of each]

[10m] In some Eastern icons, this other saint is depicted with cynocephaly. This five-cubit-tall Canaanite legendarily carried a heavy child across a deep river.

ANSWER: Saint **Christopher** [or Hágios **Christóphoros**]

[10e] Cynocephalic people are mentioned in *History of the Lombards*, a text by a Benedictine monk with this name. An earlier man with this name wrote the Epistles to the Galatians and the Philippians

ANSWER: **Paul** [accept **Paul** the Apostle or Saint **Paul** of Tarsus or **Saul** of Tarsus; accept **Paul** the Deacon or **Paulus** Diaconus]

<Religion>

[The following question MAY NOT be read to WUSTL B]

Henri Edmond Cross contrasted the “dreamed-of age of happiness and well-being” depicted in this painting with the “poignant misery” of other anarchist paintings. For 10 points each:

[10h] Name this painting subtitled “the Golden Age is not in the Past, it is in the Future.” This painting’s foreground depicts a man picking a fig from a tree, a woman feeding a fig to her child, and two men playing boules.

ANSWER: **In the Time of Harmony** [or **Au temps d’harmonie**; or **In the Time of Harmony: the Golden Age is not in the Past, it is in the Future**; or **In the Time of Harmony: the Golden Age is Not Passed, it is Still to Come (Reprise)**; or **Au temps d’harmonie: L’âge d’or n’est pas dans le passé, il est dans l’avenir (reprise)**]

[10m] This artist of *In the Time of Harmony* depicted the title art critic holding a cyclamen flower in front of a colorful, swirling background in his *Portrait of Félix Fénéon*.

ANSWER: Paul **Signac** (“seen-YAHK”) [or Paul Victor Jules **Signac**]

[10e] Paul Signac collaborated with this artist of *Sunday Afternoon on the Island of La Grande Jatte* to develop pointillism.

ANSWER: Georges **Seurat** (“soo-RAH”) [or Georges Pierre **Seurat**]

<Painting & Sculpture>

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[The following question MAY NOT be read to Georgia Tech B]

An entry in this series titled *The Man on the Rack* depicts busts inscribed with names of “victims punished unjustly by Nero,” while another entry is named for a recurring visual “with Trophies.” For 10 points each:

[10m] Name this series of 16 etchings that depict enormous subterranean vaults with mighty machines. The many staircases in these works inspired M.C. Escher’s lithograph *Ascending and Descending*.

ANSWER: *Imaginary Prisons* [or *Carceri d’invenzione*]

[10e] *Imaginary Prisons* is a series by Giovanni Battista Piranesi, who is also known for his architectural sketches of this city. This city contains the Spanish Steps and the Trevi Fountain.

ANSWER: **Rome** [or **Roma**]

[10h] The *Imaginary Prisons* series exemplifies *capriccio* landscape painting, as do the works of this Italian *vedute* painter. His huge canvases of fantasy arrangements of ruins includes *Roman Capriccio: The Colosseum and Other Monuments*.

ANSWER: Giovanni Paolo **Panini**

<Painting & Sculpture>

[The following question can be read to any team]

The German Coast Uprising was reenacted in a “community engaged performance” directed by this artist that ended in a celebration at Congo Square. For 10 points each:

[10h] Name this contemporary artist who was one of the defendants in *United States v. Eichman* for inviting viewers to step on a certain object to more clearly view several photographs and write their names in a guest book.

ANSWER: Dread **Scott** [or Scott **Tyler**]

[10e] Scott was tried for his installation whose title asked about the proper way to display this object. Jasper Johns created a series of encaustic paintings of this symbol, one of which became the most expensive painting by a living artist in 2023.

ANSWER: American **flags** [or United States **flags** or US **flags**; accept *What Is the Proper Way to Display a U.S. Flag*]

[10m] The Instagram of MoMA PS1 director Klaus Biesenbach helped spread a viral video of Scott installing a banner mentioning these people. A black blob representing Michael Stewart appears between two of these people in Jean-Michel Basquiat’s painting *Defacement*.

ANSWER: **police** officers [or **police**men or the **police**; accept **cops**]

<Painting & Sculpture>

[The following question can be read to any team]

Barefoot pilgrims prostrate themselves before a barefoot Mary in this artist’s *Madonna of Loreto*, which is located in the Basilica of Sant’Agostino. For 10 points each:

[10m] Name this artist whose few altarpieces include the *Madonna of the Rosary*. Three men strain to raise a diagonally arranged old man against a dark background in this artist’s *Crucifixion of Saint Peter*.

ANSWER: **Caravaggio** [or Michelangelo Merisi da **Caravaggio** or Michelangelo **Merisi** or Michele Angelo **Merigi**]

[10e] Caravaggio and his followers Caracciolo and Jusepe de Ribera were a part of this artistic period that typically used greater contrast in their lighting than the earlier Renaissance and Mannerist styles.

ANSWER: **Baroque** period

[10h] Jusepe de Ribera taught this late-Baroque Neapolitan painter of the *Madonna of the Carmelites*, who was nicknamed “fa presto” for his productivity. This artist of *The Fall of the Rebel Angels* and *Rubens Painting ‘The Allegory of Peace’* decorated El Escorial.

ANSWER: Luca **Giordano** [accept **Luca** fa presto]

<Painting & Sculpture>

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[The following question MAY NOT be read to Maryland A]

This artist depicted a drunken white man dancing wildly amid a circle of revelers while a dejected black man stands alone in a corner in his allegorical painting *Barroom Scene*. For 10 points each:

[10h] Name this early American genre painter of *Bargaining for a Horse* and *The Bone Player*.

ANSWER: William Sidney **Mount**

[10e] Mount honed his skills in painting genre scenes by copying prints by this British painter of *Marriage A-la-Mode*.

ANSWER: William **Hogarth**

[10m] Mount's contemporary George Caleb Bingham is best known for his genre scenes depicting "jolly" men in this profession. A painting by Bingham depicts men in this profession playing cards.

ANSWER: **boatmen** [or **oarsmen**; or **raftsmen**; accept flat**boatmen**; accept **Raftsmen** *Playing Cards*; prompt on **sailors**; prompt on fur **traders**]

<Painting & Sculpture>

[The following question MAY NOT be read to Chicago B]

For 10 points each, answer the following about painters involved with the Négritude movement's arts journal *Black Orpheus*, which was produced by the Mbari Club.

[10h] This Ethiopian-Armenian painter drew from Ge'ez ("guh-EZ") manuscripts, *debtera* talismans, and his own engagement with Santería practice to produce a number of astounding abstract works, some of them published in *Black Orpheus*.

ANSWER: Skunder **Boghossian** [or Alexander **Boghossian**]

[10e] This African-American painter traveled to Nigeria, where he spent time with members of the Mbari Club and produced a number of works. He painted a WPA-funded series depicting the Great Migration.

ANSWER: Jacob **Lawrence** [or Jacob Armstead **Lawrence**]

[10m] This Chinese-Afro-Cuban painter, who shared both Boghossian's avowed inspiration from Santería and his engagement with the Négritude movement, is known for cubist masterworks like *The Jungle*.

ANSWER: Wifredo **Lam** [or Wifredo Óscar de la Concepción **Lam** y Castilla]

<Painting & Sculpture>

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[The following question can be read to any team]

This Roman emperor attacked the people of Antioch in the satire *Misopogon*, or “Beard-Hater.” For 10 points each:
[10m] Name this Roman emperor whose close friend Secundus Salutius wrote the treatise *On the Gods and the Cosmos* in support of his actions.

ANSWER: **Julian** the Apostate [or **Julian II**; or **Julian I**; or Flavius Claudius **Julianus** Augustus]

[10h] A writer with this name joined Julian’s expedition against the Sassanids and wrote a *Breviarium*, or “abridgement,” of Roman history. A eunuch with this name used the emperor Arcadius as his puppet before being executed.

ANSWER: **Eutropius**

[10e] Julian’s officer Ammianus Marcellinus wrote a Roman history that ended with Valens’s defeat at Adrianople to Fritigern, a leader of these people. A force of these people sacked Rome under Alaric.

ANSWER: **Goths** [or **Gothi** or **Gutthiuda**; accept Visigoths, **Visigothi**, **Vesi**, **Visi**, Thervingian **Goths**, or **Thervingi**]

<Other History>

[The following question can be read to any team]

Father José Domingo Duquesne (“dew-CANE”) was tasked with studying these people’s namesake language, which was also called Chibcha. For 10 points each:

[10h] Name these people governed in the north by *zaques* (“SAH-kays”) and in the south by *zipas* (“SEE-pahs”) until conquistadors invaded their “confederation.”

ANSWER: **Muisca** [or **Muisicans**; accept **Muisca** Confederation or **Muisca** Empire]

[10e] Duquesne also made sense of a lunisolar type of this technology used by the Muisca. A “great cycle” on a Mayan example of this technology ended in 2012, prompting apocalyptic hysteria.

ANSWER: **calendar**

[10m] This person used the terms rural year and vulgar year to describe periods of the Muisca calendar proposed by Pedro Simón (“see-MOHN”) and Duquesne respectively. This person created a map that listed flora by altitude on a cross section of a volcano.

ANSWER: Alexander von **Humboldt** [or Friedrich Wilhelm Heinrich Alexander von **Humboldt**]

<World History>

[The following question can be read to any team]

Tyler Anbinder notes how the description of this person by *New York Times* as “a little rosy-cheeked Irish girl” selectively ignored her fellow passengers primarily from Eastern and Southern Europe. For 10 points each:

[10h] Name this teen who, on New Year’s Day, 1892, became the first registered immigrant at Ellis Island.

ANSWER: Annie **Moore** [or Anna **Moore**]

[10m] In the title of his book, Anbinder calls New York a city characterized by this concept. James Truslow Adams coined the term for a form of this concept to make sense of American economic values during the Great Depression.

ANSWER: **dream** [accept American **Dream**; accept *City of Dreams*]

[10e] The justification of the American Dream is often based in this five-word phrase of the Declaration of Independence, to which Elizabeth Cady Stanton added the words “and women” while forming the Declaration of Sentiments.

ANSWER: “**all men are created equal**” [accept “**all men and women are created equal**”]

<American History>