



NSC 2018 - Round 14 - Tossups

1. A "dictator by consent" who ruled in the aftermath of this war instituted the "Legal Purge." After this conflict, women who had engaged in "horizontal collaboration" during it had their heads shaved as punishment. During this conflict, prisoners were tortured by the Milice (mee-leess). A force during this war was assisted by agents parachuted in via Operation Jedburg, was galvanized by the Appeal of June 18th, and included guerrilla groups called the (*) *maquis* (mah-kee). Jean Moulin coordinated factions during this war until he was executed by the "Butcher of Lyon." The Fourth Republic was established following this war, and the Free French fought during it. For 10 points, name this war in which the Vichy (vee-shee) Government was established after France was defeated by the Nazis.

ANSWER: World War II [or WW2; or Second World War; accept the German or Nazi occupation of France, the French Resistance to the Vichy regime, or anything indicating World War II in Vichy France]
<Bentley, History - European>

2. This man suggested that the months be named after Moses and Homer in a proposal dividing the year into 13 months of 28 days, with an extra day to commemorate the dead. Divinities called the *Grand Fetish*, or the Great Earth, and the *Grand Milieu*, or the Cosmic Space, appear in his "Religion of Humanity," which inspired the system of congregations of Brazil. This student of Henri (*) Saint-Simon (awn-ree sahn see-mohn) wrote a book suggesting that human society moves from a theological to a metaphysical stage, and finally to a stage in which scientific methods can solve the world's problems. The "law of three stages" was formulated by this coiner of the word "altruism." For 10 points, name this French founder of positivist philosophy, who was the first to use the term "sociology."

ANSWER: Auguste Comte [or Isidore Marie Auguste François Xavier Comte]
<Jose, Social Science - Sociology>

3. Ions of this metal coordinate with the substrate of the first enzyme to be crystallized. An isotope of this metal slightly beats two isotopes of iron for the highest nuclear binding energy. An alloy of it with iron has a very low coefficient of thermal expansion, named Invar. Urease (YUR-ee-ace) contains this metal. It is alloyed with aluminum in a hydrogenation catalyst named for (*) Raney (RAIN-ee). Cadmium and this metal's oxide comprise a popular class of rechargeable batteries. It is purified by complexation with carbon monoxide in the Mond process. The three ferromagnetic elements at room temperature are iron, copper and this element, all right next to one another on the periodic table. For 10 points, identify this element symbolized Ni.

ANSWER: nickel [or Ni until read]
<Prieto, Science - Chemistry>

4. While performing this task, the title character hears a peer yelling "ding-dong-dong" while pretending to be a steamship. A character trades "a key that wouldn't unlock anything" and other proceeds from this activity for Sunday School tickets to redeem a Doré Bible. The character who performs this task unsuccessfully tries to swap exchanging water with Jim but "Ole missis" doesn't let him. Ben Rogers is convinced to perform this task rather than go (*) swimming because boys don't get a chance to do it every day. The author remarks "Play consists of whatever a body is not obliged to do" when considering this task done on a structure thirty yards long and nine feet tall. For 10 points, Aunt Polly unsuccessfully assigns Tom Sawyer to perform what household chore?

ANSWER: Tom Sawyer painting Aunt Polly's fence [or Tom Sawyer whitewashing Aunt Polly's fence;
prompt on partial answer]

<Bentley, Literature - American>

5. In 2017, this artist's grandson Sandy Rower aided staff at the Whitney in installing some of his works. This Stevens Institute of Technology graduate was on assignment for the *National Police Gazette* when he made ink studies of zoo animals published as *Animal Sketching*. He created wire sculptures of rearing horses and acrobats for his model of a circus. This artist added small hammers to his sculpture *Triple Gong* to enhance the sound made when (*) pieces collided. Planet-like red and white spheres rotate in a 40 minute cycle in a kinetic sculpture by this artist titled *A Universe*. Marcel Duchamp (doo-SHAWM) coined the name for works by this artist that could hang from ceiling such as *Lobster Trap and Fish Tail*. For 10 points, name this creator of mobiles.

ANSWER: Alexander Calder [or Sandy Calder]

<Bentley, Arts - Sculpture>

6. Boethius's *The Consolation of Philosophy* relates an anecdote in which this philosopher died after biting off the ear of the tyrant of Nearchus. 200 years after the death of this thinker, Archimedes used the "method of exhaustion" to challenge some of this author's ideas. Book 6 of Aristotle's *Physics* is a discussion of this philosopher's ideas, in which he distinguishes between actual and possible infinities while considering a (*) race between a tortoise and Achilles. As part of an argument to show that motion was impossible, this philosopher from Elea considered an arrow which can never actually move since it is always "frozen in time" at one place. For 10 points, name this ancient philosopher who proposed a set of "paradoxes."

ANSWER: Zeno of Elea

<Jose, RMP - Philosophy>

7. George Poindexter may have made up the story that the losing army at this battle used the phrase "Beauty and Booty" as its watchword to hide his own cowardly conduct. A song about this battle is sometimes named for a line about alligator horses. The incompetence of Thomas Mullins at this battle led one side to not have the ladders necessary to scale enemy defenses. This battle, which lasted just thirty minutes, was commemorated in the campaign song "The (*) Hunters of Kentucky." Edward Pakenham was killed leading British forces in this battle. News of this battle reached Washington, D.C. around the same time as reports of a peace being signed at Ghent. For 10 points, name this 1815 victory for Andrew Jackson in a Louisiana city.

ANSWER: Battle of New Orleans

<Bentley, History - American>

8. The planned CubeSat BioSentinel will use these organisms to measure the effects of deep space radiation on DNA repair. A technique originally developed in experiments with this organism uses BD and AD domains to study protein-protein interactions, known as the two-hybrid assay. These organisms name "artificial chromosomes" that were later superseded by BACs due to problems with stability. This model organism, which comes in a and alpha mating types, was the first (*) eukaryote to have its genome sequenced. These organisms can reproduce by budding and are useful for generating ethanol and carbon dioxide during fermentation. For 10 points, name this model organism, a unicellular fungus named for its use in making bread.

ANSWER: baker's yeast [or *Saccharomyces cerevisiae*]

<Ramaswami, Science - Biology>

9. It's not a policy, but conventional wisdom suggests that this construct explains a 2015 birth rate slump due to a saying about one in ten people achieving happiness. In a story about this construct's origin, a character claims to be late because he used his breath to help villagers put out a fire. Some Buddhists use this construct to identify an individual's patron as one of eight deities, resulting in Guanyin being identified with the (*) cardinal north. Folk traditions group components of this construct into four "triangles" of romantic compatibility. In the origin story for this system, the Jade Emperor presides over an event in which a rat jumps off the back of an ox to win a race. For 10 points, identify this Chinese astrological system of twelve animals.

ANSWER: Chinese zodiac [or Asian zodiac or shēngxiào or shǔxiàng; prompt on calendar or lunar calendar or astrology]

<Alston, RMP - Other Religion>

10. This author wrote a philosophical novel in which a man nicknamed "Genge" (GEN-gay) has an existential crisis when his wife tells him that his nose tilts to the right. In a play by this author, a woman in a black veil claims that she is both her husband's second wife and Lady Frola's daughter, confounding the townspeople investigating the family life of Ponza. In another play by this author of *One*, (*) *No One*, and *One Hundred Thousand*, a rehearsal for the play *Mixing it Up* is interrupted by a group that includes the Father, the Step-Daughter, and the Son, who ask the Manager to stage their drama. For 10 points, name this Italian playwright of *Right You Are*, *If You Think You Are* and *Six Characters in Search of an Author*.

ANSWER: Luigi Pirandello

<Bollinger, Literature - European>

11. Men play drums during the *taue* (TAH OO-eh) festival, which centers on this good. One of the world's first futures markets was the Dojima Exchange in Osaka, which governed the exchange rate of this good. Takaki Kanehiro reduced the amount of this good given to sailors to combat a disease sometimes called *Edo wazurai*. In Japan, taxes were typically collected in the form of *koku*, approximately five (*) bushels of this good. A diet heavy in a highly polished type of this food lacked thiamine and thus caused Beriberi in the Meiji era. UNESCO recognizes the terraces used by the Hani people to harvest this crop in China. It is usually planted in flooded lands called paddies. For 10 points, name this staple food of Japanese diets that comes in white and brown varieties.

ANSWER: rice [or *Oryza sativa*; or white rice; or gohan; or kome]

<Bentley, History - World>

12. This man was the subject of a portrait that the Earl of Fife's heirs claimed was stolen from them in a case against bookseller John Snare; Snare wrote a pamphlet claiming that that portrait of him was by Diego Velázquez. This man's successor examines him in his coffin in a Paul Delaroche painting. This Brit wears a blue Order of the Garter in all three poses of a triple portrait by the same artist who showed him in riding boots turning his head towards the viewer. This man, in a (*) Cavalier hat, stands next to Endymion Porter, who is tending to his horse, in a painting of him "at the Hunt" by his Flemish court painter. For 10 points, name this English monarch painted by Anthony van Dyck, whom Delaroche depicted being mocked by Cromwell's soldiers before his execution.

ANSWER: **Charles I** [prompt on Charles (Stuart)]

<Bentley, Arts - Painting>

13. The probability of transitions that *lack* this property are given by the Landau–Zener formula. This adjective describes properties of a system that remain approximately constant when the system is changed slowly; specifically, the change must be so slow that the system remains in the same eigenstate of the Hamiltonian. The ratio of the constant-pressure and constant-volume heat capacities, denoted gamma, is named for this kind of (*) process, in which pressure times volume raised to gamma remains constant. Reversible processes of this type alternate with isothermal processes in a Carnot cycle. In these processes, the work done equals the change in internal energy. For 10 points, name this kind of process that occurs with zero heat transfer.

ANSWER: **adiabatic** processes [prompt on isentropic]

<Mukherjee, Science - Physics>

14. This man created a fictional author who died after jumping off of the Empire State Building with a portrait of Hitler in one hand and an umbrella in the other. The protagonist of this man's first novel idolizes that author, Derek Hartfield. Philip Gabriel, Alfred Birnbaum, and Jay Rubin are three major translators of this author, whose first two novels were republished in 2015 in a single volume titled (*) *Wind/Pinball*. The clairvoyant sisters Malta and Creta appear in a novel by this author whose protagonist is told the story of Boris the Manskiner by Lieutenant Mamiya. This author created a character whose wife Kumiko and cat Noboru Wataya both go missing. Toru Okada is the protagonist of *The Wind-Up Bird Chronicle*, a novel by, for 10 points, which contemporary Japanese author?

ANSWER: Haruki **Murakami** [accept names in either order]

<Carson, Literature - World>

15. A religious community in this city was headed by an official known as the alabarch. Birds ate the barley flour that was used to lay out the plan of this city by Dinocrates. Up to a quarter of its land was occupied by a large palace known as the Brucheion. Ships entering this city were searched for items that were then placed under the supervision of men such as Apollonius of Rhodes. (*) Sostratus designed a structure in this city that was dedicated to the Savior Gods and was four hundred feet tall. A mile-long jetty extended the harbor in this city to the island of Pharos. Euclid worked at an institution in this city under the patronage of its Ptolemaic rulers. For 10 points, name this home to a prominent ancient lighthouse and library, founded in Egypt by a Macedonian general.

ANSWER: **Alexandria**

<Bentley, History - European>

16. This algorithm produces nearly the same result as Halley's method when the second derivative of the input function is near zero. The ancient Babylonians used a special case of this algorithm that averages an "overestimate" and an "underestimate" to compute square roots. This algorithm is often favored over both the bisection method and the secant method since it has a quadratic rate of convergence. This algorithm, which was co-discovered by James Raphson, successively generates the (*) n th value of a function by evaluating the expression consisting of the n -minus-one-th value, "negative f of x -sub- n divided by f -prime of x -sub- n ." For 10 points, name this root-finding algorithm named for the British co-inventor of calculus.

ANSWER: Newton's method [or Newton-Raphson method]

<Jose, Science - Math>

17. Animals of this type found in Rome were often marked by their nail-studded *melium*. Greece was the source of two varieties of these creatures often mentioned by Roman writers, the Laconian and Molossian types. Pliny claims the Battle of the Allia was commemorated by crucifying these animals and parading them around Rome. One of these animals who lies on a heap of mule and cattle dung dies a few moments after seeing (*) Odysseus in *The Odyssey*. Such philosophers as Antisthenes (ann-TISS-the-neeZ) and Crates (KRAY-teeZ) belonged to a philosophical school named for these creatures, the Cynics. A Roman mosaic shows the phrase "*cave canem*" (KAH-vey KAH-nem) beneath a depiction of these animals. For 10 points, name these animals, breeds of which include mastiffs and terriers.

ANSWER: dogs [or canis or canes; accept more specific dog breeds]

<Jose, Mixed/Other/General Knowledge>

18. Richard Mansfield's iconic performance in the lead role of Thomas Russell Sullivan's stage adaptation of this novel was blamed for inspiring Jack the Ripper. One of this novel's main characters runs over a girl on his return home from Cavendish Palace but then pays her family a 50-pound indemnity. After breaking into a laboratory with an axe, the servant Poole and the lawyer Mr. (*) Utterson find that one of this novella's characters has poisoned himself. A man murders an MP named Danvers Carew (carey) in this novella, in which Dr. Lanyon dies after seeing one of the title characters transform into the other. For 10 points, name this Robert Louis Stevenson novella about a scientist with an evil alter-ego.

ANSWER: *The Strange Case of Dr. Jekyll and Mr. Hyde* [or Jekyll and Hyde]

<Bentley, Literature - British>

19. This character is the first to board a ship bound to Logris, where he encounters a magical fish from the Euphrates named Ertanax and a powerful sword that once belonged to King Solomon. This character's grandfather seeks out Dame Brusen, who facilitates this character's conception. While returning from Sarras, this character meets Joseph of Arimathea and is taken by angels to heaven. In the Vulgate cycle, this character replaces one of his companions as the one who uses a (*) bleeding lance to cure the "Dolorous Stroke" and as the destined occupant of the Siege Perilous. Bors and Percival accompany this character on his most notable quest. For 10 points, name this pure son of Elaine and Lancelot who, in *Le Morte d'Arthur* (luh MORT dar-TOOR), achieves the Holy Grail.

ANSWER: Sir Galahad [accept Galeas or Galath]

<Jose, RMP - Other Myth>

20. This composer's orchestral *Ragtime* quotes Bach's Fugue in C minor in swung eighth notes. Brass play (read slowly) B-flat, F, short low B-flat, G-flat to open an often-excerpted fourth-movement march by this composer. A soft F on string harmonics and tubular bells opens that work's second movement, a scherzo containing a jazz fugue and variations on a pentatonic-ish theme from *Turandot* introduced by a "Chinese" flute. The hymn "Lauda Sion Salvatorem" closes the "Temptation of St. Anthony" movement of a symphony by this proponent of music for (*) amateurs, or *Gebrauchsmusik* (geh-BROW-ks-moo-zeek). That symphony was adapted from his opera about Matthias Grünewald (mah-TEE-ahss GRUE-nuh-valt). For 10 points, name this German neoclassical composer of *Symphonic Metamorphosis After Themes by Carl Maria von Weber* (VAY-ber) and *Mathis der Maler* (MAH-tiss dare MAH-lur).

ANSWER: Paul **Hindemith** (HIN-duh-mit)

<Damisch, Arts - Music>

21. People engaging in this general activity are the subject of the Allais (ah-LAY) paradox. The impact of a namesake type of "architecture" on people engaging in this activity is discussed in a 2008 book by Richard Thaler and Cass Sunstein. A 2004 book by Barry Schwartz is titled for a paradox regarding this activity. Alvin Toffler's *Future Shock* theorized a type of "overload" facing people engaging in this activity. According to Daniel (*) Kahneman and Amos Tversky, "framing effects" are relevant to a type of problem named after this activity, contra the idea that this activity is always "rational." For 10 points, people engaging in what activity can be affected by "analysis paralysis" when presented with too many options?

ANSWER: **choice** [or **choosing** or **decision**-making or **deciding**; accept **choice** architecture or *The Paradox of Choice* or **choice** overload or over**choice** or rational **choice** theory; accept **gambling** until "architecture" is read]

<Nediger, Social Science - Psychology>



NSC 2018 - Round 14 - Bonuses

1. Answer the following about the scholarly debates surrounding the completion of *The Canterbury Tales*, for 10 points each.

[10] It is unclear whether this author of *The Canterbury Tales* intended to finish "The Cook's Tale," or have it just trail off.

ANSWER: Geoffrey **Chaucer**

[10] John Milton believed that Chaucer intended to complete the tale of this character, which is set in the empire of Cambyskan. This character's story is abruptly cut short by the Franklin.

ANSWER: The **Squire** [accept The **Squire's Tale**]

[10] The strongest evidence for the *Canterbury Tales*' incompleteness comes in this opening section of the book, when the host suggests that each pilgrim will tell two stories, a promise that goes unfulfilled.

ANSWER: the **General Prologue** [prompt on prologue to the *Canterbury Tales*]

<Jose, Literature - British>

2. This goddess turned some Lycian peasants into frogs after they prevented her from drinking by stirring up mud at the bottom of a pond. For 10 points each:

[10] Name this goddess who was prevented from giving birth anywhere on "terra firma," causing her to be hounded across the Earth until she finally found the floating island of Delos.

ANSWER: **Leto** [or **Latona**]

[10] Some sources claim that Leto first gave birth to Artemis on the island of Ortygia, though all tend to agree that this brother of Artemis was born on Delos.

ANSWER: **Apollo** [accept but DO NOT REVEAL **Phoebus** Apollo]

[10] Leto and her sister Asteria were the children of the Titan Coeus (**KEE-uss**) and this Titaness, whose name means "shining" and who, like her niece Selene, was associated with the moon.

ANSWER: **Phoebe** (**FEE-bee**)

<Carson, RMP - Greco-Roman Myth>

3. A 1913 article in ARTnews described this painting as "a collection of saddle bags." For 10 points each:

[10] Name this painting, parodied in an *Evening Sun* cartoon subtitled "Rush-Hour at the Subway." This painting was shown in the Cubist Room at the Armory Show.

ANSWER: ***Nude Descending a Staircase, No. 2*** [or ***A Nude Lady descending a Stairway***]

[10] *Nude Descending a Staircase* is a painting by this artist, who turned a urinal sideways to create his readymade *The Fountain*.

ANSWER: Marcel **Duchamp** (**dew-SHAWM**) [or Henri-Robert-Marcel **Duchamp**]

[10] Two answers required. Perhaps the most memorable contemporary description of *Nude Descending a Staircase* was Julian Street's quip that it looked like one of *these things in this specific place*.

ANSWER: "an **explosion** in a **shingle factory**" [prompt on factory]

<Bentley, Arts - Painting>

4. The rotational type of these devices places a fluid between two concentric cylinders, measuring the forces on the fluid when one of the cylinders is rotated. For 10 points each:

[10] Name these devices that measure the shearing properties of materials. Unlike viscometers, they work for fluids that don't have a constant viscosity.

ANSWER: **rheometers** [do not accept "rheostats"]

[10] Fluids that have a constant viscosity are named for this scientist, who also stated that an applied force on an object is equalized by an opposite-direction reaction force.

ANSWER: Isaac **Newton**

[10] Viscosity is defined as the ratio of the shear form of this quantity to the shear rate. This quantity, which has units of pressure, induces strain in a material.

ANSWER: shear **stress**

<Busse, Science - Physics>

5. This man had to be hospitalized and forced after he went on a hunger strike in an attempt to get permission for his wife Yelena Bonner to travel abroad for heart surgery. For 10 points each:

[10] Name this Soviet physicist and dissident, who won the Nobel Peace Prize in part for rejecting an anti-ballistic missile defense system to combat the US.

ANSWER: Andrei **Sakharov**

[10] Sakharov also was a proponent of disarmament, which calls for ending the use of these weapons. The most destructive Soviet test of these weapons took place in the Novaya Zemlya archipelago.

ANSWER: **nuclear** bombs [or any form of **nuclear** weaponry]

[10] Sakharov and Valery Chalidze (**cha-LEED-zay**) established a committee to protest the use of this profession to incarcerate dissidents. Members of this profession created the category of a "sluggish" form of a certain condition.

ANSWER: **psychiatry** [or **psychology**; accept word forms; that condition described in the question is "sluggish schizophrenia"]

<Jose, History - European>

6. An author with this last name wrote a short story called "Especially Heinous" in which Detectives Benson and Stabler from *Law and Order: Special Victims Unit* investigate surreal sex crimes and alien abductions. For 10 points each:

[10] Give this surname of the New Weird writer Carmen. It is the first surname of the novelist who wrote *Quincas Borba* and *The Posthumous Memoirs of Bras Cubas*.

ANSWER: **Machado** (muh-SHAH-doo) [accept Carmen Maria **Machado** or Joaquim Maria **Machado** de Assis]

[10] Machado de Assis (muh-SHAH-doo jee uh-SEES), like Jorge Amado (ZHOR-zhee ah-MAH-doo), is an author from this Portuguese-speaking South American country.

ANSWER: **Brazil** [or Federative Republic of **Brazil**; or **Brasil**]

[10] Carmen Machado wrote a series of tweets accusing this Dominican-American author of unleashing a "blast of misogynist rage and public humiliation" during a book tour. He wrote *The Brief Wondrous Life of Oscar Wao*.

ANSWER: Junot **Díaz** (JOO-noh DEE-az)

<Jose, Literature - World>

7. The very first "commit message" made with this program calls this software the "information manager from hell." For 10 points each:

[10] Name this distributed version control system. This program is often used to "push" code to a social coding website known as its "Hub."

ANSWER: **Git** [accept **GitHub**]

[10] Linus Torvalds developed Git to manage this large program. Fedora and Ubuntu are two commonly-used "distributions" of the operating system named after this "kernel."

ANSWER: **Linux** kernel [prompt on the kernel]

[10] This operation is done to join branches in Git. Git automatically performs this process using a "three-way" algorithm, but manual intervention is required when namesake "conflicts" result.

ANSWER: **merges** [accept **merging**; accept **merge** conflicts; accept three-way **merge**]

<Jose, Science - Computer Science>

8. Bassoonists shape and wrap these "double" accessories by hand, while saxophonists might buy a box of two-and-a-half-strength Vandoren (**van-DOR-in**) ones. For 10 points each:

[10] Name these thin vibrating strips of cane on woodwind instruments' mouthpieces.

ANSWER: **reeds** [accept double **reeds** or single **reeds**]

[10] Metal reeds called tongues may vibrate within long components of these instruments controlled by stops, manuals, and pedals. Frescobaldi, Buxtehude (**BOOKS-tuh-HOO-duh**), and Pachelbel (**PAH-kull-bell**) wrote contrapuntal Baroque music for this instrument.

ANSWER: pipe **organ** [accept reed **organ**]

[10] This composer of *Fantasia Cromatica* repeated a falling F major scale in 6 variations on the lament "My young life has an end." This late Renaissance Dutch organist founded the North German organ school, improvised at the Oude Kerk (**OW-duh kairk**), and pioneered the echo fantasia.

ANSWER: Jan Pieterszoon **Sweelinck** (**YAHN Peters-sown SWAY-link**) [or Jan Pieters **Sweelinck**]

<Lifshitz, Arts - Music>

9. In 2005, this country's embassy in London was spray painted in red to protest the regime's suppression of the Andijan Unrest. For 10 points each:

[10] Identify this Central Asian country, led after its independence by Islam Karimov.

ANSWER: **Uzbekistan** [or Republic of **Uzbekistan**]

[10] In the 1980s, officials in Moscow criticized Sharof Rashidov of the Uzbek Soviet Social Republic for falsifying how much of this crop was being produced. Although Karimov abolished the slavery system to harvest this crop, state employees have still been forced to harvest it.

ANSWER: **cotton** [or upland **cotton**; or Mexican **cotton**; or *Gossypium hirsutum*]

[10] Ancient Samarkand was a major stop along this trade route that ran parallel to the Great Wall of China for some of its length.

ANSWER: **Silk Road**

<Bentley, History - World>

10. A form of this food was banned as cruel and unusual in the Supreme Court case *Hutto v. Finney*. For 10 points each:

[10] Identify this intentionally unappetizing food often given as a penalty to felons. Florida guidelines for making this food involve combining carrots, vegetable oil, tomato paste and other bland ingredients.

ANSWER: **nutraloaf** [or **Meal Loaf**; or **prison loaf**; or **disciplinary loaf**; or **food loaf**; or **lockup loaf**; or **confinement loaf**; or **seg loaf**; or **grue**; or **special management meal**]

[10] Nutraloaf is often used in conjunction with this type of penalty, where prisoners are removed from other inmates and placed in their own cell.

ANSWER: **solitary** confinement [or being placed in the **hotbox**; or the **hole**; or **AdSeg**; or **administrative segregation**; or **Special House Unit**; or **SHU**]

[10] A 2010 video shows this man eating some nutraloaf and claiming "it's not unconstitutional." Donald Trump pardoned this man's contempt of court charge in August 2017.

ANSWER: Joe **Arpaio** [or Joseph Michael **Arpaio**]

<Bentley, Current Events - United States>

11. The name for this movement comes from the Greek word for "the inhabited world." For 10 points each:

[10] Identify this movement that resulted in the founding of the World Council of Churches, and in general aims to improve understanding between different Christian denominations.

ANSWER: **ecumenical** movement [or **ecumenism**]

[10] An early ecumenical society in the U.S. was named for these institutions. Robert Raikes pioneered these doctrinal instructional academies for children named for a holy day of the week.

ANSWER: **Sunday Schools**

[10] One of the only things that the 1937 Faith and Order conference in Edinburgh agreed on was that this concept applied to "our Lord Jesus Christ." In opposition to Pelagius, Augustine held that humans are destined to sin without the "divine" form of this concept.

ANSWER: **grace**

<Bentley, RMP - Bible/Christianity>

12. While in prison, this poet wrote a collection named for a Mendelssohn composition that includes the poems "Birds of the Night" and "It Rains in My Heart." For 10 points each:

[10] Name this author of *Songs Without Words*. His collections include *La Bonne Chanson* (la BUN shahn-SAWN) and *Saturnine Poems*.

ANSWER: Paul **Verlaine** (vair-LEN) [or Paul-Marie **Verlaine**]

[10] Verlaine was imprisoned for shooting this other French poet, his lover, who wrote about their tumultuous relationship in "A Season in Hell."

ANSWER: Arthur **Rimbaud** (ar-TOOR ram-BOH) [or Jean Nicolas Arthur **Rimbaud**]

[10] The title entity of this poem by Rimbaud ran "into the furious lashing of the tides" after its haulers were killed by "yelping redskins."

ANSWER: "The **Drunken Boat**" [or "Le **Bateau Ivre**"]

<Grames, Literature - European>

13. Gregory Spears's 2018 opera *Fellow Travelers* is about this period in American history. For 10 points each:
[10] Identify this period, during which approximately five thousand government employees were fired on suspicion of being homosexuals or engaging in other "sexual perversions." It is named for a color.

ANSWER: **Lavender Scare**

[10] During the Lavender Scare, many homosexuals lost their job thanks to Executive Order 10450 signed by this president. He had earlier supervised the D-Day landings.

ANSWER: Dwight D. **Eisenhower** [or Dwight David **Eisenhower**]

[10] A 1947 rider that gave the Secretary of State the power to fire employees for being communists or homosexuals was named for a senator from this state, Pat McCarran. McCarran also lends his name to an airport in this state.

ANSWER: **Nevada**

<Bentley, History - American>

14. According to the NHLBI, this condition affects Puerto Rican children 2.4 times more frequently than white children in the United States. For 10 points each:

[10] Identify this chronic disorder. This condition can be treated with leukotriene (**LUKE-oh-TRY-eeen**) receptor antagonists that disrupt the signals that cause the inflammation and airway constriction characteristic of it.

ANSWER: **asthma**

[10] A common way to relieve asthma symptoms during asthma attacks is to deliver a puff of bronchodilator or corticosteroid via one of these handheld devices.

ANSWER: **inhaler** [or metered-dose **inhaler**; or **MDI**]

[10] Samter's triad describes asthma that is induced when patients take this drug. One effect of this drug is to reduce clotting by its targeting of prostaglandins.

ANSWER: **aspirin** [or **acetylsalicylate**; or **acetylsalicylic acid**; prompt on **ASA**]

<Bentley, Science - Biology>

15. Answer the following about cases of plagiarism in American literature, for 10 points each.

[10] At age 11, this woman unconsciously plagiarized Margaret Canby's *Frost Fairies* to write "The Frost King." William Gibson's play *The Miracle Worker* is an account of this woman's life.

ANSWER: Helen **Keller**

[10] Poe accused this poet's "Midnight Mass of the Dying Year" of being lifted from Tennyson's "The Death of the Old Year." He drew on classical Roman meter for his poem *Evangeline* and wrote "Paul Revere's Ride."

ANSWER: Henry Wadsworth **Longfellow**

[10] Much of this 2016 speech was accused of having been plagiarized from the SparkNotes of *Moby-Dick*. This speech closes by invoking Homer after claiming "songs are unlike literature."

ANSWER: Bob **Dylan's Nobel** Lecture [accept any answers indicating **Dylan** and a speech given regarding the **Nobel** Prize; prompt on partial answers]

<Jose, Literature - American>

16. The invasion theme from Dmitri Shostakovich's *Leningrad Symphony* parodies the tune of this opera's aria "Da geh' ich zu Maxim" (dah GAY ikh tsoo mahk-SEEM). For 10 points each:

[10] Name this comic operetta by Franz Lehár (leh-HAR) in which Baron Zeta plots for the wealthy woman Hanna Glawari (HAH-nah glah-VAH-ree) to marry Count Danilo Danilowitsch (dah-NEE-loh-vitch) to keep her money in the fictional Balkan state of Pontevedro.

ANSWER: *The **Merry Widow*** [or *Die **lustige Witwe***]

[10] Act 2 of *The Merry Widow* contains a famous one of these fast ballroom dances in 3/4 time that were extraordinarily popular in Vienna.

ANSWER: **waltzes** [or **Walzer**; accept *The Merry Widow **Waltz***]

[10] Falke (FAL-kuh) plans light-hearted revenge against Eisenstein at Count Orlofsky's ball in this popular operetta by Johann Strauss, which contains Adele's "Laughing Song."

ANSWER: *Die **Fledermaus*** (dee FLAY-der-mouse) [or *The **Bat***]

<Kothari, Arts - Opera>

17. This book argues that, while there is no *summum bonum*, there is a *summum malum*: the fear of violent death. For 10 points each:

[10] Name this book which argues that a sovereign cannot logically be accused of doing injustice, as the people have entered into an agreement to cede all power to the sovereign to avoid the state of nature.

ANSWER: **Leviathan** [or **Leviathan**, or *The Matter, Forme and Power of a Common-Wealth Ecclesiasticall and Civil*]

[10] *Leviathan* was written in the 17th century by this English philosopher.

ANSWER: Thomas **Hobbes**

[10] *Leviathan* begins by discussing this phenomenon in people before describing imagination as the decaying of the use of this phenomenon. The discussion of this phenomenon precedes the discussion of the emotions.

ANSWER: **senses**

<Reinstein, RMP - Philosophy>

18. Identify the following about the late 19th-century campaign to get American tourists to "See America First," for 10 points each.

[10] This place was touted as the "gem of Wonderland" in promotional literature. Painted stagecoaches brought tourists to the Old Faithful Inn in this future national park.

ANSWER: **Yellowstone** National Park

[10] Several buildings of this type were constructed in Glacier National Park to simulate the experience of going to the Swiss Alps, where these wooden buildings with a sloped roof were used by shepherds.

ANSWER: Swiss **chalet**

[10] See America First promoter Fisher Sanford Harris was based in this city. This city's 660-by-660-foot blocks are some of the largest in the US, and its addresses are relative to the Temple Square.

ANSWER: **Salt Lake** City

<Bentley, Geography - United States>

19. These four letters were selected from the line shapes observed in emission spectra of alkali elements. For 10 points each:

[10] Identify these four letters used for writing out electron configuration. They name four blocks of elements on the periodic table.

ANSWER: **s, p, d, AND f** [or **sharp, principal, diffuse, AND fundamental**; accept answers in any order; do not accept or prompt on incomplete answers]

[10] This quantum number determines whether one, three, five or seven orbitals are available in a subshell, and thus can vary between negative-three and three for f-orbitals.

ANSWER: **magnetic** quantum number [or **m-sub-l**; accept **third** quantum number]

[10] When filling in orbitals, electrons are added to the lowest energy orbitals first according to this rule. Chromium violates this rule, since it has only one s-electron and five half-filled d-orbitals.

ANSWER: **aufbau** (**OWFF-bow**) principle [prompt on **building-up** principle]

<Prieto, Science - Chemistry>

20. In England, an 1828 Act of Parliament required that people sent to these places have a certificate from a doctor and an order of detention from a judge. For 10 points each:

[10] Identify these places, examples of which include Bethlem in London.

ANSWER: **mental institutions** [or **mental hospitals**; or **madhouses**; or lunatic **asylums**; or mental **asylums**; or psychiatric hospitals; prompt on **hospitals**; prompt on **institutions**]

[10] One patient of Bethlem Royal Hospital was Edward Oxford, a man who was put on trial for attempting to assassinate this British monarch when she was riding in a carriage with her husband, Prince Albert.

ANSWER: **Victoria** [or Queen **Victoria I**; or Alexandrina **Victoria**]

[10] This American woman exposed the horrors at Blackwell's Island Asylum in her muckraking expose, *10 Days in a Madhouse*. She also participated in a race around the world inspired by Jules Verne.

ANSWER: Nellie **Bly** [or Elizabeth Cochrane **Seaman** or Elizabeth Jane **Cochran**]

<Bentley, History - European>

21. Accumulation of one type of these molecules can lead to Sandhoff disease or an "AB variant" version of another disease. For 10 points each:

[10] Name these fatty acid derivatives found on cell surfaces. These molecules, which are made of a glyco-sphingo-lipid with a sialic acid, include GM1 and GM2.

ANSWER: **gangliosides** (**GANG-lee-oh-sides**) [accept GM1 **gangliosides** or GM2 **gangliosides**; prompt on **lipids**]

[10] The buildup of GM2 gangliosides due to a mutation in the *HEXA* gene leads to this disease. Sufferers of this autosomal recessive disease have a characteristic red spot on the retina.

ANSWER: **Tay-Sachs** disease

[10] The mutation in Tay-Sachs disease causes the enzyme hexosaminidase A (**hexose-uh-MIN-ih-dace AY**) to malfunction. Hexosaminidase A is found with other hydrolytic enzymes in this eukaryotic organelle, which breaks down unneeded molecules in the cell.

ANSWER: **lysosomes**

<Ramaswami, Science - Biology>

