

ACF Fall 2014: *Nemo auditur propriam derpitudinem allegans*
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Tossups

1. Johannes Brahms's last published piano piece has this title, and his Opus 79 consists of two of these works. Brahms also used a Goethe poem as the text of one of these works for alto and orchestra. Bartók wrote two of them for violin and piano. Debussy wrote two of these works, one for clarinet and the other for saxophone. Rachmaninoff combined the *Dies Irae* with the theme of Paganini's 24th Caprice in one of these works. Another of these works for piano and orchestra begins with the clarinet playing a trill, and then a lengthy glissando. For 10 points, give this name for a set of "Hungarian" pieces by Franz Liszt and a composition "in Blue" by George Gershwin.
ANSWER: **rhapsody** [accept **Alto Rhapsody**; accept **Rhapsody On a Theme of Paganini**; accept **Hungarian Rhapsodies**; accept **Rhapsody in Blue**]
2. In response to this event, three hundred residents of Ballinglass were evicted from their homes. This event was addressed in the papal bull *Praedecessores Nostres*, and Charles Trevelyan claimed that it was a "stroke... of Providence." The Widow McCormack's house was the site of a rebellion led by William Smith O'Brien in response to this event. Many people converted during this event in the practice of "souperism." The coffin ships transported victims of this event, which contributed to Robert Peel's decision to repeal the Corn Laws. For 10 points, name this 1845 to 1849 event in which millions died after a blight struck a certain staple crop of Ireland.
ANSWER: Irish **Potato Famine** [or **Great Famine**; or an **Gorta Mor**; prompt on "famine"; prompt on "Irish famine"]
3. In a poem by this author, the "Spinner of the Years" says "Now!" and a certain event takes place "In a solitude of the sea / Deep from human vanity." In addition to that poem about the sinking of the *Titanic*, he penned a poem taking place when "all mankind...sought their household fires." That poem's speaker heard the sound of one "in blast-beruffled plume" while he "leant upon a coppice gate." This poet of "The Convergence of the Twain" and "The Darkling Thrush" also wrote a novel about a woman who surrenders to police at Stonehenge after killing her rapist Alec. For 10 points, identify this British author who wrote about the wife of Angel Clare in *Tess of the D'Urbervilles*.
ANSWER: Thomas **Hardy**
4. This man argued that the use of business principles in university administration undermined the ideal of "idle intellectual curiosity". His most important book details how a "tenacity of purpose" remains in place of the "predatory barbarian" in its chapter "The Conservation of Archaic Traits." That book also describes how, in "the regime of individual ownership," status is maintained by "pecuniary emulation." This author of *The Higher Learning in America* man names a type of economic good that defies the law of demand and is based on conspicuous consumption. For 10 points, name this sociologist and economist who wrote *The Theory of the Leisure Class*.
ANSWER: Thorstein **Veblen** [or Torsten Bunde **Veblen**]

5. It's not gold, but this color names a commonly used alternative DNA stain in the SYBR ["cyber"] family of dyes. Fireworks of this color often use barium salts, which also give this color in a flame test. Among Fraunhofer lines, iron is responsible for a line in this part of the color spectrum designated by a capital E. The presence of chromium in beryl imparts this color to it. Maximizing effective mass yield and atom economy are among the goals of a chemistry philosophy named after this color. Elemental copper will react with air to form a patina of this color composed of copper carbonate. For 10 points, identify this color which is reflected by chlorophyll.

ANSWER: **green**

6. This city was the center of its country's trade with Portugal, resulting in the importation of peixinhos da horta ["pay-SHEEN-yohsh duh OHR-tuh"] as tempura. Thomas Blake Glover's residence, which still stands in this city, is the oldest surviving Western-style house in Japan. This city is in the far northwest of Kyushu. A monument in this city commemorates 26 Christians that were martyred in it. This city was targeted by a military action that was originally intended for Kokura. A B-29 nicknamed *Bockscar* deployed the bomb Fat Man over this city. For 10 points, name this Japanese city that was bombed three days after Hiroshima.

ANSWER: **Nagasaki**

7. One poem by this author asks questions like "What were the hymns that buzzed beside my ears?" This poet wrote of a man who "rode over Connecticut in a glass coach" in a poem which asks "thin men of Haddam, why do you imagine golden birds?" In a poem by this man, a sheet with embroidered fantails is taken out of "the dresser of deal, lacking three glass knobs." One of his poems describes an eye that was the only moving thing among "twenty snowy mountains." He wrote a poem that depicts a wake and commands "Call the roller of big cigars." For 10 points, name this poet who wrote "Thirteen Ways of Looking at a Blackbird" and "The Emperor of Ice-Cream."

ANSWER: Wallace **Stevens**

8. Although this man's name is not mentioned in the Quran, Allah sends him a raven that digs a pit to bury the body of another raven. His descendent Lamech recounts to Adah and Zillah how he has a particular blessing eleven times as valuable as this man's. This man founds a city that he names for his son Enoch. As a result of this man's actions, his brother Seth is conceived. This man is driven out to the "Land of Nod," which lies east of Eden. This man is given a mark showing that his killer would be punished sevenfold. He answers "Am I my brother's keeper?" when God asks him where his brother is. For 10 points, name this eldest son of Adam and Eve who murdered his brother Abel.

ANSWER: **Cain** [or **Qayin**; or **Kabil**]

9. Two rulers of this city led a raid that was legendarily repulsed when Photios put a holy veil into the sea. The history of this city is detailed in Nestor's *Primary Chronicle*. This city lost the Battle of Kalka River, allowing it to be sacked by Batu Khan. Hilarion was made the archbishop of this city by a ruler who created its legal code, Yaroslav the Wise. After learning that Muslims could not drink alcohol, Vladimir I of this city threw its idols into a river and converted to Christianity. During World War II, the Jewish population of this city was massacred in the Babi Yar ravine. For 10 points, name this city on the Dnieper river that was once the capital of the Rus and is now the capital of Ukraine.

ANSWER: **Kiev** [or **Kyiv**]

10. This architect's Green Building was transformed by MIT students into a playable game of Tetris. He designed a skyscraper that has four sections with triangular bases and differing heights. That skyscraper designed by this architect also has a triangle pattern on its sides and was built for the Bank of China in Hong Kong. Several windowpanes fell off of the tallest building in Boston, which was designed by his firm. His firm also designed the JFK Presidential Library and the East Building of the National Gallery. For 10 points, name this Chinese-American architect who used glass pyramids in his designs for the Rock and Roll Hall of Fame and the entrance to the Louvre.

ANSWER: Ieoh Ming [I. M.] **Pei**

11. One character in this novel teaches hand signals to Grimaud, and is later trapped in cellar with him, where he consumes all of its food and wine. One character in this novel escapes to Lille to exact revenge on the protagonist by poisoning his love interest. That female character in this novel persuades John Felton to free her and assassinate the Duke of Buckingham. At the end of this novel, the protagonist, who is a hot-blooded Gascon, is promoted when he reveals that he has killed his nemesis Milady de Winter. In this novel, the motto "one for all, and all for one" is proposed by d'Artagnan. For 10 points, name this novel by Alexandre Dumas whose title characters are Athos, Porthos, and Aramis.

ANSWER: *The **Three Musketeers*** [or *Les **Trois Mousquetaires***]

12. Some of these organisms contain methano-chondroitin bound to the S-layer. The cell membranes in these organisms have fatty acids bonded to L-glycerol by ether linkages, rather than by esters. The flagella of these organisms resemble Type IV pili instead of Type III secretory systems. Some of these organisms use Coenzyme M in a pathway that ultimately uses methane to drive chemiosmosis. Although the ribosomes of these organisms are separated into 30-S and 50-S subunits like those of bacteria, their rRNA sequences resemble those of eukaryotes. For 10 points, name this prokaryotic domain whose name suggests that they are older than bacteria.

ANSWER: **Archaea** [or **Archaeobacteria**]

13. One of these entities called Van was formed after the gods bound Fenrir with Gleipnir. During his journey to Hel, Hermod passed by one of these entities after meeting the guardian Modgud, who stands near one of them called Gjoll. In Hinduism, one of these entities originates from Shiva's matted hair. In the *Iliad*, a god of one of these entities is angered by the growing pile of Trojan warriors killed by Achilles but is prevented from killing him by Hephaestus' fire. Heracles won the hand of Deianeira after he defeated a god of these entities named Asopus. For 10 points, name these bodies of water, a Greek example of which was the Styx.

ANSWER: **rivers** [or **potamoi**]

14. This artist painted himself as the drunken Prodigal Son alongside his wife Saskia. On the right side of one of his works, a woman in red accidentally pours wine onto the ground, while the title king knocks over a wineglass and looks to the right. He depicted Christ healing the sick in the Hundred Guilder Print. This artist included orientalist elements like turbans in works like *Belshazzar's Feast*. His group portraits include one of the syndics of the draper's guild, which hangs in the Rijksmuseum ["**rikes-museum**"]. A huge painting by this artist depicts a woman in yellow carrying a chicken and eighteen militiamen in the company of Franz Banning Cocq. For 10 points, name this Dutch artist of *The Night Watch*.

ANSWER: **Rembrandt** [Harmenszoon] van Rijn [or Rembrandt **van Rijn**]

15. In this country, women participated in the March of the Empty Pots to protest a leader who was protected from coups by the Schneider Doctrine. A regime in this country was embarrassed by a traffic incident in which a general shot at a woman who was mocking him. Carlos Prats helped put down the Tank Putsch in this country. The Rettig Report exposed the atrocities committed by this country's DINA secret police. A dictator from this country employed the Chicago Boys as economic advisors and mobilized the Caravan of Death after overthrowing Salvador Allende in a 1973 coup. For 10 points, name this South American country once ruled by Augusto Pinochet.

ANSWER: Republic of **Chile**

16. This writer wrote a treatise that mockingly asks whether some "evanescent increments" should be referred to as "ghosts of departed quantities." He wrote a "chain of reflections and inquiries" in his book *Siris* to advocate the use of a folk-remedy by his disease-ridden countrymen. This man criticized the idea of infinitesimal calculus in his "discourse addressed to an infidel mathematician," titled *The Analyst*. His book on the "principles of human knowledge" rejects Locke's idea of primary qualities, and includes the maxim "to be is to be perceived." For 10 points, name this Irish philosopher who wrote *Essay Towards a New Theory of Vision* and *Three Dialogues Between Hylas and Philonous*.

ANSWER: George **Berkeley**

17. This quantity's name is used to describe situations in which there exists a frame of reference such that two given events could have happened at the same location. The product of two values of this quantity is subtracted in the Minkowski metric, unlike the spatial components, which are added. The product of resistance and capacitance has units of this quantity, and RC circuits have a characteristic "constant" for this quantity over which voltage drops off. Relativity explains this quantity's dilation, which is central to different aging rates in the twin paradox. For 10 points, identify this quantity of duration, often measured in seconds or minutes.

ANSWER: **time**

18. This object's low density led Iosif Shklovsky to erroneously suggest that it was hollow and created by aliens. This body is home to the *Gulliver's Travels*-inspired Laputa Regio. Because this moon is composed of loosely bound rubble, and its orbital radius is rapidly decaying, it will probably disintegrate within 50 million years. This is the nearest of the moons Mariner 9 photographed while orbiting a certain planet. This body is home to a giant indentation named for the wife of its discoverer Asaph Hall; that is the Stickney Crater. For 10 points, name this Martian moon, larger than Deimos, whose name derives from the Greek for "fear."

ANSWER: **Phobos**

19. In a re-trial that took place after this Supreme Court case, the testimony of a cab driver discredited the previous testimony of Henry Cook. In this case, the defendant changed from H. G. Cochran after the oral arguments. The attorney on the winning side of this case, Abe Fortas, was nominated to the Supreme Court two years after this case. The decision in this case overturned the "special circumstances" requirement of *Betts v. Brady*. The plaintiff of this case was accused of breaking into a Florida pool hall, but didn't have legal representation. For 10 points, name this Supreme Court Case which ruled that defendants unable to afford an attorney must be provided one by the state.

ANSWER: **Gideon** v. *Wainwright* [or **Wainwright** v. *Gideon*]

20. This character is given seven loaves of bread and a pitcher of water when he is buried alive to accompany his dead wife. This man tells his story after he hears a porter sitting outside his home ask God why this man is richer than the porter. This man makes wine in a gourd to defeat a creature that leaps onto his back to strangle him. This person, who defeats the Old Man of the Sea, reaches a valley filled with diamonds and giant snakes after he ties himself to the leg of a giant roc. This man brings gifts from the king of Serendib to the caliph Harun al-Rashid. He eventually settles down in Baghdad after going on seven voyages. For 10 points, name this sailor from the *Arabian Nights*.

ANSWER: **Sinbad** the Sailor [or **Sindbad**]

Extra

At one point during this period, some people go into *l'tekaf*, or seclusion. The undertaking of *umrah* bears special weight if taken during this observance. During this period, people recite *tariwah* at night, and wake up early for suhoor. The *Laylat al-Qadr* is a full night of worship during this time period. Near the end of this time period observers participate in *sadaqah*, so that all may celebrate on the first day of Shawwal during the festival of Eid al-Fitr. The concept of *sawm* refers to self-control and fasting during this time. For 10 points, name this ninth month of the Islamic calendar, during which Muslims typically fast from dawn until dusk.

ANSWER: **Ramadan**

Bonuses

1. A man in this short story claims that he wouldn't fear the Devil if he had a large enough property after overhearing his wife and her sister discussing the merits of city life and rural life. For 10 points each:

[10] Name this short story in which Pahom makes a deal to pay one thousand rubles for as much territory as he can mark with a spade by sunset. He reaches his goal but dies of exhaustion.

ANSWER: "**How Much Land Does a Man Need?**" [or "**Mnogo Li Cheloveku Zemli Nuzhno?**"]

[10] In this novel that also lampoons petty landowners, Pavel Chichikov befriends the people of a provincial town so that he can buy the deeds to deceased serfs from people like Manilov and Sobakevich, as a get-rich-quick scheme.

ANSWER: **Dead Souls** [or **Myortvyjye Dushi**]

[10] *Dead Souls* was written by this Russian author. This author also wrote a satirical play about a small town whose corrupt mayor and officials are tricked into thinking that Khlestakov is a government inspector.

ANSWER: Nikolai Vasilievich **Gogol**
2. The "Golden Horseshoe" in this province contains over a quarter of Canada's population. For 10 points each:

[10] Name this province south of Hudson Bay. Its capital is Toronto, and it is also home to Ottawa, the capital of Canada.

ANSWER: **Ontario**

[10] This offshoot of Hudson Bay is between Ontario and Quebec. This bay's largest island is Akimiski Island, which, despite being so far south, is actually part of Nunavut.

ANSWER: **James** Bay

[10] This large prehistoric lake covered most of modern Manitoba, and was probably linked to Lake Ojibway, which covered most of modern Ontario. It was named after a Swiss scientist.

ANSWER: Lake **Agassiz** [the scientist is Louis Agassiz]
3. Materials with this property have negative magnetic susceptibility. For 10 points each:

[10] Identify this form of magnetism exhibited by substances like water. Substances with this property are weakly repelled by magnetic fields.

ANSWER: **diamagnetism** [accept word forms]

[10] Materials of this type are the strongest diamagnets when below a certain temperature. These materials have zero resistance to the flow of electric current.

ANSWER: **superconductors**

[10] A superconductor's diamagnetism occurs due to this phenomenon. Thanks to the conservation of flux, this phenomenon leads to a stronger field on the exterior of the superconductor.

ANSWER: **Meissner** effect

4. This man performed the action that he is best-known for after his target uttered the words "She won't think anything about it" while watching *Our American Cousin*. For 10 points each:
- [10] Name this actor, who planned a conspiracy with Dr. Samuel Mudd and Mary Surratt, and was later shot while trapped inside a burning barn.
ANSWER: John Wilkes **Booth**
- [10] The assassination of Lincoln occurred during the staging of *Our American Cousin* in one of these places.
ANSWER: a **theatre** [accept **Ford's theatre**]
- [10] John Wilkes Booth was involved in a larger conspiracy that also aimed to kill these two men. Lewis Powell bungled the assassination attempt on one of them, while George Atzerodt never attempted to kill the other one.
ANSWER: William **Seward** and **Andrew Johnson** [accept answers in either order; prompt on "Johnson" for **Andrew Johnson**; do not prompt if only given one name]
5. French art was quite contentious in the first half of the nineteenth century. For 10 points each:
- [10] This neoclassical painter was a follower of Jacques-Louis David. His highly polished paintings use clear outlines and classical subjects, and they include *The Valpinçon Bather* and *La Grande Odalisque*.
ANSWER: Jean-Auguste-Dominique **Ingres**
- [10] This other Frenchman was in some ways antithetical to Ingres' neoclassicism. Probably the most famous of his crowded, sometimes rushed-looking paintings is *Liberty Leading the People*.
ANSWER: [Ferdinand Victor] Eugène **Delacroix**
- [10] This Frenchman, who coined the term "modernity" in the essay "Painter of Modern Life," was one of Delacroix's staunchest advocates. Walter Benjamin developed several of this man's other ideas, including that of the "flâneur."
ANSWER: Charles [Pierre] **Baudelaire**
6. The chorus of one song with this title begins "I was there for you in your darkest times," while the chorus of another repeats "they don't love you like I love you." For 10 points each:
- [10] Give this shared name of the biggest hit singles from the albums *Fever to Tell* and *V*.
ANSWER: "**Maps**"
- [10] This pop rock band recently released a single called "Maps." Their other hits include "This Love," "One More Night," "Moves Like Jagger."
ANSWER: **Maroon 5**
- [10] This lead singer for Maroon 5 is a judge on the NBC show *The Voice*. He also had a recurring role in FX's *American Horror Story: Asylum* and was recently married to the Victoria Secret model, Behati Prinsloo.
ANSWER: Adam **Levine**

7. The founder of this dynasty fought Robert Guiscard at Dyrrachium and is the subject of a biography by his daughter Anna. For 10 points each:
 [10] Name this dynasty whose first member petitioned for aid against the Seljuks at the Council of Piacenza, leading Urban II to call the First Crusade.
 ANSWER: **Komnenos** [or **Komnenian** dynasty]
 [10] The Komnenian Restoration was brought to an end when Enrico Dandolo incited troops of the Fourth Crusade to sack this city. The Hagia Sophia was built in this capital of the Byzantine empire.
 ANSWER: **Constantinople** [or **Istanbul**; prompt on "Byzantium"]
 [10] This Ottoman sultan, who claimed descent from the Komnenos dynasty, conquered Constantinople in 1453 with a little help from the Hungarian cannon-maker Orban.
 ANSWER: **Mehmed II** [or **Mehmed** the **Conqueror**; accept **Mahomet** or **Muhammed** in place of Mehmed; prompt on "Mehmed"]
8. This blood type is considered to be the "universal donor." For 10 points each:
 [10] Name this blood type which lacks both the A and B antigens.
 ANSWER: **O** negative [or **O** minus]
 [10] Patients with the Bombay phenotype lack an antigen designated by this letter, which is even found in type O blood. The antigen labeled by this letter serves as a precursor to both the A and B antigens.
 ANSWER: **H** antigen
 [10] As its name suggests, this blood antigen was first extracted from monkeys. During a pregnancy, if a mother is negative for this antigen and the baby is positive, hemolytic disease of the newborn may occur.
 ANSWER: **Rhesus factor** [or **D** antigen]
9. At one point, the main character of this work proves his rifle skills by shooting a peso thrown in the air. For 10 points each:
 [10] Name this work that centers on General Tomas Arroyo's desire for the Miranda estate, which leads him into conflict with the title American Journalist.
 ANSWER: *The **Old Gringo*** [or **Gringo Viejo**]
 [10] This Mexican author wrote *The Old Gringo* as well as *The Death of Artemio Cruz*.
 ANSWER: Carlos **Fuentes** [Macias]
 [10] The title character of *The Old Gringo* was based on this author of *The Devil's Dictionary*. This man disappeared in Mexico at the end of his life.
 ANSWER: Ambrose [Gwinnett] **Bierce**
10. Maurice Merleau-Ponty extended this philosopher's work in a book arguing for the "primacy of perception." For 10 points each:
 [10] Name this German philosopher who described analytical methods like "bracketing" and eidetic reduction of one's experiences in his lecture series, *Cartesian Meditations*. He also wrote *Logical Investigations*.
 ANSWER: Edmund [Gustav Albrecht] **Husserl**
 [10] Husserl's theory of intentionality argues that this concept is defined by its possession of intentions. Qualia are experiences that are perceived thanks to this quality of self-awareness.
 ANSWER: **consciousness**
 [10] Husserl was the founder of this school of philosophy that studied the experiences of consciousness. Hegel also used this term in the title of his most important book.
 ANSWER: **phenomenology**

11. The founder of this empire claimed to be able to turn himself into a vulture and make his armies invisible. For 10 points each:
[10] Name this African empire, which rose to power following the collapse of the Mali. It was centered at Gao and ruled by kings such as Sonni Ali.
ANSWER: **Songhai** empire
[10] This "great" ruler of Songhai usurped power from Sonni Ali's son. He was buried in a pyramidal tomb constructed from mud and timber.
ANSWER: **Askia** the Great [or **Askia** Muhammad I; or **Muhammad Ture**]
[10] Askia sponsored scholars in this city, which was the site of the University of Sankore. Disguised as a Muslim, Rene Caillie became the first European to visit this famously wealthy city in modern-day Mali.
ANSWER: **Timbuktu**
12. This novel was written at the same time as the production of its film version. For 10 points each:
[10] Identify this science fiction novel, which opens with apes learning to use tools and clubs after a monolith appears on Earth. Later, Bowman's colleagues are all killed by a malignant computer.
ANSWER: **2001: A Space Odyssey** [prompt on "**2001**"]
[10] The novel *2001: A Space Odyssey* was written by this British author, who helped Stanley Kubrick write the screenplay for the film.
ANSWER: Arthur Charles **Clarke**
[10] All of the astronauts except David Bowman are murdered thanks to the machinations of this computer, which also tries to sabotage communications with Earth.
ANSWER: **HAL** 9000
13. Name the following twentieth-century creators of bronze sculptures of women, for 10 points each.
[10] Name this French creator of the four bronze pieces in the series *Back*. Late in his life, this artist decorated the Chapelle du Rosaire in Vence, known as his namesake chapel, and he created a colorful book of prints called *Jazz*.
ANSWER: Henri-[Émile-Benoît] **Matisse**
[10] This English sculptor is best known for his abstracted series of bronze *Reclining Figures*.
ANSWER: Henry [Spencer] **Moore**
[10] This Romanian Modernist sculptor created extremely streamlined bronze sculptures like *Mademoiselle Pogany* and the series *Bird in Space*.
ANSWER: Constantin **Brâncuși** [pronounced "BRUN-koosh," but accept phonetic pronunciations]
14. Destructors are sometimes used instead of this process. For 10 points each:
[10] Identify this process from computer science, in which unused objects are deallocated in order to free up memory.
ANSWER: **garbage collection** [accept word forms]
[10] This scientist invented garbage collection. He also created the language Lisp and helped lead early study in the field of artificial intelligence.
ANSWER: John **McCarthy**
[10] McCarthy's work on AI led him to receive a prize named after this man, which is the highest honor in Computer Science. This British code-breaker ingested cyanide shortly after his prosecution for homosexuality.
ANSWER: Alan **Turing**

15. This work begins quietly, with the violins playing repeated ascending arpeggios over a pulsating bassline. For 10 points each.
[10] Name this anthem written for the coronation of George II.
ANSWER: **Zadok the Priest**
[10] Another of Handel's coronation anthems, *My Heart is Inditing*, uses a text also set by this earlier composer. This composer wrote a G-Minor Chacony for strings, as well as the operas *The Faery-Queen* and *Dido and Aeneas*.
ANSWER: Henry **Purcell**
[10] Purcell and Handel wrote those coronation anthems for monarchs of this European country, where they both lived most of their lives.
ANSWER: **England** [generously accept answers like **United Kingdom**, Great **Britain**, etc.]
16. Note to moderator: Please do not reveal the answer to the second part when evaluating the answer to the first part.
A Moldavian king by this name defeated an invasion by John Albert at the Battle of Cosmin Forest. For 10 points each:
[10] Give this name shared by a king of the Arpad dynasty who converted Hungary to Christianity.
ANSWER: **Stephen** [or **Stephen** I; or **Stephen** III; or **Szent**; or **Stephanus**; or **Stefan**; accept, but DO NOT REVEAL "Saint **Stephen**"]
[10] Both of those Stephens were declared to be this sort of person after their death. Veneration and beatification are steps of recognizing this type of person in the Catholic Church.
ANSWER: **saints**
[10] Stephen I's successor Peter was a noble from this city. This Italian city was ruled by the Council of Ten and was the initial target of Julius II's League of Cambrai.
ANSWER: Republic of **Venice** [or Repubblica di **Venezia**]
17. This country's orthodox church is called Tewahedo, or "unified," and it broke off from the Coptic church in 1959. For 10 points each:
[10] Name this country for which Abu Rumi translated the Bible into Amharic. St. Frumentius is credited with bringing Christianity to this modern-day African nation.
ANSWER: **Ethiopia** [or **Ityoppya**]
[10] This term refers to the Jewish community of Ethiopia. Many members of this group were airlifted out of Ethiopia in Operation Solomon.
ANSWER: **Beta Israel**
[10] St. Frumentius brought Christianity to this Ethiopian kingdom, whose king Ezana declared Christianity the state religion. This kingdom was centered on a northern Ethiopian city on the Red Sea.
ANSWER: Kingdom of **Axum** [or **Aksumite** Kingdom]

18. Captain Black is snubbed when this character gets promoted by a machine that is amused by the promotion. For 10 points each:
[10] Identify this humorously-named man who bears a strange resemblance to Henry Fonda. People are only allowed to visit him in his office when he isn't there, causing some problems for a certain novel's protagonist.
ANSWER: Major Major Major **Major** [or Major **Major** Major Major]
[10] This character tries to see Major Major in the novel in which he appears. This bomber's plane is piloted by McWatt, and he is greatly distressed by the death of his friend and crewmember Snowden.
ANSWER: Captain John **Yossarian**
[10] Yossarian is the protagonist of *Catch-22*, a novel by this author, who explored Yossarian's later life in the novel *Closing Time*.
ANSWER: Joseph **Heller**
19. This psychologist developed "puzzle boxes" to test whether animals could learn from trial and error. For 10 points each:
[10] Name this man, sometimes called the father of educational psychology, who formulated a "law of effect".
ANSWER: Edward Lee **Thorndike**
[10] This man created a namesake "taxonomy" of educational objectives that lists knowledge as the bottom tier, and evaluation and synthesis on the top tier.
ANSWER: Benjamin Samuel **Bloom**
[10] Besides researching how people learn, educational psychologists also are interested in measurement of this concept, whose "quotient" is purportedly measured by the Stanford-Binet and Wechsler tests.
ANSWER: **intelligence**
20. Reactants often adsorb and react on the surface of heterogeneous types of these substances. For 10 points each:
[10] Name these substances which cause a reaction to proceed faster by lowering the activation energy, but are not consumed in the reaction themselves. Enzymes are biological examples of these substances.
ANSWER: **catalysts**
[10] Enzyme kinetics can be modeled by this equation, which relates the reaction rate " V " to substrate concentration. The maximum rate for a system following these kinetics is V_{\max} ["**V-sub-max**"].
ANSWER: **Michaelis-Menten** equation
[10] In the Haber process, a highly porous form of this element is a heterogeneous catalyst on which nitrogen and hydrogen adsorb and then react to form ammonia.
ANSWER: **iron** [or **Fe**]

Extra

Two answers required. Irving Lorge found that students agreed with the phrase “a little rebellion, now and then, is a good thing” when attributed to a leader of one of these countries, but opposed it when attributed to a leader from the other country. For 10 points each:

[10] Name these two countries. Solomon Asch criticized Lorge’s study by suggesting that students viewed the phrase as having different meanings when said by leaders of either of these countries.

ANSWER: the **United States** of America AND the **Soviet Union** [or equivalent answers like “the **USA** and the **USSR**”; prompt on “Russia” in place of the Soviet Union; the two leaders referred to were Thomas Jefferson and Vladimir Lenin]

[10] Solomon Asch is best known for his experiments on this phenomenon. Asch found that people modified their judgment of the length of a line when a group of confederates all shared another opinion.

ANSWER: social **conformity**

[10] An earlier study on conformity utilizing peoples’ judgment of the autokinetic effect was conducted by this psychologist. This man also conducted the Robbers’ Cave experiment.

ANSWER: Muzafer **Sherif** [or Muzaffer **Serif** Basoglu]