

1. It was at a speech in this state that Senator Joe McCarthy claimed he had a list of 57 State Department employees who were communists. John Sayles' 1987 film *Matewan* depicts a shootout between union members and the Baldwin-Felts Detective Agency in this state in 1920. One participant in that shootout was Sheriff Sid Hatfield, a relative of the family from this state involved in the feud with the McCoys. This state was created after seceding from an already-seceded state during a vote at the Second Wheeling Convention. FTP what US state is home to Harper's Ferry, where John Brown took the federal arsenal, and which has capital at Charleston?

ANSWER: West Virginia

2. The tension of a certain substance found in this tissue can be measured using a pressure bomb. Hermine von Reichenbach discovered occlusions in this tissue called tyloses [*tahy-LOH-seez*]. Patterns of development in this tissue include mesarch [*MEZ-ahrk*], exarch [*EK-sahrk*], and endarch [*EN-darch*]. The inner and outer portions of its secondary type are called heartwood and sapwood. The cohesion-tension theory explains the transport of material through this tissue, which is composed of short vessel elements and long tracheids. For 10 points, name this type of tissue found in vascular plants that carries minerals and water up from the roots.

ANSWER: xylem

3. One writer in this *genre* is Laura Mulvey, who argued that women in this genre's subject are presented with "to-be-looked-at-ness," always presented for the "male gaze." The novelist James Agee wrote in this genre for the magazines *Time* and *The Nation*, and in one article claimed Preston Sturges produced the funniest work in this genre's subject matter. Andre Bazin popularized the term "auteur theory" in works in this genre that celebrated people like Nicholas Ray, Howard Hawks, and John Ford. Also practiced by Pauline Kael, who championed Brian DePalma and Martin Scorsese, FTP what type of analytical writing was produced by Roger Ebert?

ANSWER: film criticism (accept film review, movie writing, film theory, etc.)

4. In Mayan myth, people in this role may travel "the good path" guided by Tlaloc through the world of dreams. The Korean word for people in this role is *mudang*; they are typically female. The American Zen Buddhist writer Joan Halifax's 1988 book titled for this religious role took its subtitle, "Wounded Healer," from a Jungian archetype. Like the Peruvian *curandero*, these people typically fulfill healing and psychic leadership roles in animist tribes. FTP, what name is given to those who connect the spiritual world with the physical, sometimes mistakenly called "witch doctors"?

ANSWER: shaman

5. A newspaper columnist from this country wrote books about its dialect under the pseudonym Afferbeck Lauder, meant to mimic the pronunciation of the words "alphabetical order" in its accent called "Strine." This country's longest-serving national leader, Robert Menzies, reintroduced the draft in 1965 in order to commit troops to support the US in Vietnam. The Mabo and Wik court decisions in the 1990s in this country granted native inhabitants greater land rights. FTP name this country in which the monolith Uluru is found, governed from Canberra.

ANSWER: Australia

6. This work of travertine limestone features an obelisk from the Circus of Maxentius and sits opposite Borromini's Church of Sant'Agnese. The olive branch and the dove found on it represent the Pamphili family of this work's patron, Innocent X. One of the title allegorical figures is represented by a shrouded figure indicating that its source was unknown. Sculpted by Gian Lorenzo Bernini, FTP name this fountain in Rome representing the Rio de la Plata, the Ganges, the Nile, and the Danube.

ANSWER: Fountain of the Four Rivers [or Fontana dei Quattro Fiumi]

7. A player on this team set the NBA Finals record with 25 points in a quarter despite a sprained ankle. In that same series, a player on this team committed a "phantom foul" on Kareem during a sky hook attempt. John Salley and Vinnie Johnson were key bench players on this Chuck Daly coached team. This team employed the "Jordan Rules" against the Bulls and moved from the Silverdome to the Palace of Auburn Hills before winning the 1989 and 1990 titles. For 10 points, identify this team nicknamed the Bad Boys, whose stars included Bill Laimbeer and Isiah Thomas.

ANSWER: Detroit Pistons [accept either; accept the Bad Boys before mentioned]

8. In a knife-less procedure named for these objects, a patient wears a helmet with 201 small holes. These objects were discovered by Paul Villard, and they can turn white topaz into sky blue topaz. The phenomenon in which an atomic nucleus in a solid emits them without any recoil is called the Mossbauer effect. During the 1960s, the Vela satellites discovered their namesake bursts, which are the most luminous events in the universe. Isomeric transition results in the emission of these objects, which are responsible for the most penetrating form of radioactivity. For 10 points, name this form of electromagnetic radiation with the shortest wavelength and highest energy.

ANSWER: gamma rays [or gamma (electromagnetic) radiation; prompt on "photons"]

9. One phenomenon similar to this effect was examined by Max Ringelmann. One experiment testing this phenomenon utilized a recording of a person having a seizure while in another, participants were asked to fill out a survey while a room filled with smoke. This effect was studied by John Darley and Bibb Latane, who posited that it resulted from "pluralistic ignorance" and "diffusion of responsibility." This effect gained notoriety following the murder of Kitty Genovese, and Good Samaritan Laws attempt to combat this effect. FTP, name this social phenomenon in which people in a large group are less willing to offer help in a crisis.

ANSWER: bystander effect

10. One novel set in this country is *Memed, My Hawk*, by Yashar Kemal. Another novel set in this country has a title in its native language that puns on its setting, the city of Kars; that novel details the poet Ka's return from exile in Germany. Another novel set in this country by the author of *Snow* details the murder of the miniaturist Elegant Effendi during the reign of Sultan Murad III. FTP the novel *My Name Is Red* is by, Nobel winner Orhan Pamuk, who was prosecuted for denying the Armenian Genocide in what country?

ANSWER: Turkey

11. This figure is depicted subduing the "nine bows" on the seal of many tombs in the Valley of the Kings. One of his roles was "opener of Northern Roads." In the Pyramid Texts this figure is associated with the Eye of Horus, and in his primary role he abandons the guilty to the beast Ammit. His daughter Kabechet helps him in a process that utilizes canopic jars. For ten points, name this protector of the dead and expert at mummification, a jackal-headed Egyptian god.

ANSWER: Anubis

12. This man accompanied photographer Jacob Riis on night-time walking tours of New York City slums in order to find sleeping officers while serving as Police Commissioner. He disparaged the tactics of Oliver Hazard Perry during the Battle of Lake Erie in his historical monograph titled *The Naval War of 1812*. In his greatest office, he directed the Great White Fleet of the U.S. Navy to make a two-year circumnavigation of the globe. He served four years without a vice president before defeating Alton Parker to win re-election, then in his second term won the Nobel Peace Prize for his role in ending the Russo-Japanese War. FTP, who is this 26th President of the United States who took office when William McKinley was assassinated?

ANSWER: Theodore Roosevelt

13. One book by this man lists the tools in a baloney detection kit. This author of *The Demon-Haunted World* was a Cornell professor and wrote another book with fellow TTAPS member Richard Turco about nuclear winter. This man, who suffered from myelodysplasia [*MY-eh-loh-dis-PLAY-zha*], attended the first SETI conference. The contents of the Voyager Golden Record were selected by a committee chaired by by this man, whose last book, *Billions & Billions*, included several chapters co-written with Ann Druyan, his third wife. For 10 points, name this astronomer who wrote the sci-fi novel *Contact* and created the original TV series *Cosmos*.

ANSWER: Carl Sagan

14. One composer from this country had his *Viola Concerto* premiered by Paul Hindemith, and a Russian named Valery Gergiev is the conductor of an orchestra based in this country. A forty-part motet whose title means "Hope in any other" was composed by a man from this country, and Estonian composer Arvo Part wrote a *Cantus in Memoriam* for another. One person from this country composed a seven-movement suite that includes a piece about the "Bringer of War" that is in 5/4 time, and another composed a collection of five marches, the first of which is often heard at graduations. For 10 points, name this home country of Gustav Holst and Edward Elgar.

ANSWER: England [or (Great) Britain; or the United Kingdom]

15. One recurring character created by this author is a folk priestess named Aunt Esther who dies at age 366 in his work *King Hedley II* after first appearing in his earlier work *Two Trains Running*. Ester became the main character of this author's work *Gem of the Ocean*, which is set in the same northeastern city as seven other works by this playwright. The last work of that cycle of plays, *Radio Golf*, sees African-American entrepreneur Harmond Wilks consider tearing down Ester's historic house. FTP what African-American playwright's Pittsburgh Cycle includes *Ma Rainey's Black Bottom* and *Fences*?

ANSWER: August Wilson

16. A work titled for the paradoxes of this philosophical method includes statements like "all vices and virtues are equal," "the sage alone is free," and "only the wise man is rich." Adherents of this school thought philosophy was "askesis," or a method of determining what is most beneficial. A prominent exponent of this school refused to shave his beard on pain of death. This philosophy undergirds works by the playwright Seneca, who (sort of) adhered to this school. Arguing that apatheia, or peace of mind, was necessary to end suffering, FTP what philosophy was founded by Zeno of Citium?

ANSWER: Stoicism

17. This country's Nyanga National Park is home to Mutarazi Falls, and rock formations in its Matopos Hills are known as the Balancing Rocks. The chemicals released by the Marange mines have poisoned the Save River in this country. This country's northern border is home to Lake Kariba, while its highest point is Mt. Nyangani. This country's southern border is formed by the Limpopo River, while its border with Zambia is formed by the Zambezi River. Victoria Falls lies in this country's northwest. FTP, name this African country with capital Harare [*huh-RAHR-ey*].

ANSWER: Zimbabwe

18. One offensive during this battle focused on taking Cote 304 and Mort-Homme. During this battle, a supply line running along Bar-le-duc road became known as the Sacred Way. Much of the fighting in this battle focused on Fort Douaumont and Fort Vaux, both of which were recovered near the end of this battle by Charles Mangin. Robert Nivelle, who during this battle said, "They shall not pass!" replaced as head of the Second Army a man who would become known as the "Hero" of this battle, Philippe Petain. This battle on the Meuse River was part of an attempt to "bleed France white." FTP, name this 1916 battle, one of the bloodiest of WWI.

ANSWER: Battle of Verdun

19. The reaction of this element and water vapor occurs in the Schikorr reaction, which creates a mineral named for its magnetism. Widmanstätten [*VIT-man-SHTAT-en*] patterns can be created on the surface of meteorites named for this element. The project LOHA-FEX studied this element's effect on phytoplankton growth and the uptake of carbon dioxide from the ocean. Fool's gold is composed of sulfur and this metal, whose chief source is hematite. The "pig" type of this element is used in the Bessemer process. When the surface of this metal is exposed to oxygen and moisture, rust forms. For 10 points, name this metal whose chemical symbol is Fe.

ANSWER: iron [accept Fe before mentioned]

20. "La Fanfarlo" is an early poem by this author about a Haitian lover he addressed as "Black Venus," Jeanne Duval. This poet described a title bird as "comic and uncomely" and "clumsy and shameful," comparing them to poets in a famous poem. This poet translated the cosmological poem "Eureka" and a collection of short fictional works published as *Grotesque and Serious Stories* causing a sensation over Edgar Allan Poe in Paris. This author's poem "The Albatross" is preceded by "Au Lecteur," or "To the Reader," in, FTP, what collection of his, titled *Les Fleurs du mal*, or *The Flowers of Evil*.

ANSWER: Charles Baudelaire

Delta Burke 2014
Round 11 Bonuses

1. The older waiter in this story says of an old patron, "The old man is clean. He drinks without spilling. Even now, drunk." FTPE:

[10] What is this short story, in which a location with the title qualities is described as a hedge against existential angst?

ANSWER: "A Clean, Well-Lighted Place"

[10] This author of *The Old Man and the Sea* wrote "A Clean, Well-Lighted Place."

ANSWER: Ernest Hemingway

[10] Hemingway compared his spare writing style to this type of natural structure by way of analogizing his "theory of omission."

ANSWER: iceberg

2. This man wrote the music to the English hymn "Onward, Christian Soldiers." For 10 points each:

[10] Name this composer who collaborated with W. S. Gilbert on *The Pirates of Penzance*.

ANSWER: Arthur Sullivan

[10] Arguably the most famous song in *The Pirates of Penzance* is sung by Stanley, a man with this rank, who sings "I've information vegetable, animal, and mineral."

ANSWER: Major-General

[10] Sullivan's Opus 1, which is incidental music to *The Tempest*, was clearly influenced by this other composer, who included a saltarello in his fourth symphony, nicknamed the "Italian."

ANSWER: Felix Mendelssohn

3. This compound with one added vinyl group is called styrene. For 10 points each:

[10] Name this aromatic compound with formula C_6H_6 that was studied by Kekule [*KEY-koo-ley*] and is often depicted with alternating single and double bonds between carbon atoms.

ANSWER: benzene

[10] This three-letter acronym refers to a benzene derivative containing one methyl group and three nitro groups that is often used as a chemical explosive.

ANSWER: TNT

[10] This benzene derivative is used in dyes, and was first isolated by the distillation of indigo. Also used to make polyurethane precursors, it can be made by the reduction of nitrobenzene.

ANSWER: aniline [or benzenamine; or phenylamine; or aminobenzene]

4. One cause of this 1756 event was the Convention of Westminster. For 10 points each:

[10] Name this reversal of alliances that involved Austria, France, Great Britain, and Prussia.

ANSWER: Diplomatic Revolution [prompt on "Stately Quadrille"]

[10] Named for its length, this war, which began the same year as the Diplomatic Revolution, was ended by the Treaty of Paris, and was called the French and Indian War in North America.

ANSWER: Seven Years' War

[10] King of Prussia during the Seven Years' War, this man won the Battle of Rossbach, but was defeated at the Battle of Kunersdorf and saved by the Miracle of the House of Brandenburg.

ANSWER: Frederick the Great [or Frederick II]

5. This method was pioneered by Franz Joseph Gall in the late 18th century. FTPE:

[10] What process of feeling and measuring the human skull to determine mental and moral capabilities mostly replicated theories of racial and cultural superiority of the measurers?

ANSWER: phrenology

[10] Phrenology is a classic example of this kind of activity which presents itself as providing scientific validity without really following the scientific method. Other examples include alchemy and astrology.

ANSWER: pseudoscience

[10] The related pseudoscience of craniometry, usually relating skull size and shape with intelligence, was attacked in *The Mismeasure of Man* by this scientist, who also wrote *The Panda's Thumb* and who posited the idea of “punctuated equilibrium” with Niles Eldredge.

ANSWER: Stephen Jay Gould

6. This metrical foot is most commonly used in English in a ten-syllable line called pentameter. FTPE:

[10] What metrical foot comprises an unstressed syllable followed by a stressed one?

ANSWER: iamb

[10] Unrhymed lines of iambic pentameter, as used in Shakespeare’s plays, go by this name.

ANSWER: blank verse

[10] Blank verse is also used in the “conversation poems,” like “Frost at Midnight,” by this author of *The Rime of the Ancient Mariner*.

ANSWER: Samuel Taylor Coleridge

7. Answer the following about some relatively recent Supreme Court cases, for 10 points each.

[10] The court ruled that this privately held corporation controlled by a religious family cannot be forced to pay for contraception coverage for female employees. It sells arts and crafts supplies.

ANSWER: Hobby Lobby

[10] In the case *Riley v. California*, the Supreme Court unanimously ruled that police officers need warrants to search these objects belonging to people who are arrested.

ANSWER: cellular phones [accept equivalents, such as smart phones; or mobile phones]

[10] In the case *McCullen v. Coakley*, the Supreme Court again ruled unanimously that thirty-five foot buffer zones around these places in Massachusetts violated the First Amendment.

ANSWER: abortion clinics [accept equivalents, such as abortion clinics]

8. Detoxification occurs in this specific form of a organelle when the cytochrome P450 family of enzymes converts insoluble drugs into water soluble forms. For 10 points each:

[10] Name this specific cellular organelle that is also the site of lipid and steroid synthesis.

ANSWER: smooth endoplasmic reticulum [or smooth ER; prompt on partial answer]

[10] The main difference between smooth and rough endoplasmic reticulum is the presence of these organelles, which are the site of protein synthesis.

ANSWER: ribosomes

[10] The sarcoplasmic reticulum is smooth ER in these cells, which come in cardiac, skeletal, and smooth types. Sarcomeres are found in certain types of them.

ANSWER: muscle cells [or myocytes]

9. Banastre Tarleton had his thumb and index finger amputated after a skirmish with Light Horse Harry Lee’s troops during this battle, whose losing commander was Nathanael Greene. FTPE:

[10] Name this 1781 battle at which the British won a pyrrhic victory against the United States.

ANSWER: Battle of Guilford Courthouse

[10] This state, which was home to the Battle of Guilford Courthouse, was also home to the Greensboro sit-ins in 1960 and some historic flights in 1903 near its town of Kitty Hawk.

ANSWER: North Carolina (cont’d on next page)

[10] Around a year after winning the battles of Guilford Courthouse and Camden, this British commander surrendered at a notable October 19, 1781 battle fought in Virginia.

ANSWER: Charles Cornwallis

10. Answer some questions about Biblical messengers FTPE:

[10] In the Protestant canon, this is the title given to the highest class of messengers. Michael is the only figure canonically identified with this title in both the Torah and the Bible.

ANSWER: archangel

[10] The Church of Latter Day Saints consider Noah to be this angel living a mortal life. Other Christian traditions state this angel informs Mary of her imminent motherhood.

ANSWER: Gabriel

[10] Archangel Raphael is sent in human form to heal the title figure of this Deuterocanonical book and rescue a Median woman named Sarah whose previous seven husbands had been taken by Asmodeus, the demon of lust, as husbands sometimes are.

ANSWER: The Book of Tobit

11. This philosopher was a proponent of falsifiability, which states that a theory cannot be true unless it can be proven wrong. FTPE:

[10] Name this philosopher who criticized the historicism of Hegel's philosophy in one part of his *The Open Society and Its Enemies*.

ANSWER: Karl Popper

[10] The first section of *The Open Society* is titled after "The Spell of" this philosopher, whose work *The Republic*, Popper criticized as portraying the working class as "human sheep."

ANSWER: Plato

[10] This philosopher once threatened Karl Popper with a fireplace poker for challenging his classification of philosophical problems as linguistic puzzles, a theory he put forth in *Tractatus Logico-Philosophicus*.

ANSWER: Ludwig Wittgenstein

12. This author's second novel, *A World of Strangers*, was banned in her native land because it depicted a British man with friends in Black townships. FTPE:

[10] What winner of the 1991 Nobel Prize saw her novel *Burger's Daughter* also banned?

ANSWER: Nadine Gordimer

[10] Gordimer hailed from this African country, also home to Alan Paton and J.M. Coetzee.

ANSWER: South Africa

[10] The title figure of this Gordimer novel rescues the family for which he works during a fictional racial war in South Africa.

ANSWER: July's People

13. A tree is one of these objects that lack cycles, which are simple closed paths. For 10 points each:

[10] Name these objects from mathematics that consist of vertices connected by edges.

ANSWER: graphs

[10] Kuratowski's theorem states that a graph is planar if and only if it does not contain a subgraph that is a subdivision of the complete graph on five vertices or the so-called utility graph, which contains this number of total vertices. This number is also the smallest perfect number.

ANSWER: six

[10] This man is the namesake of a path that visits each vertex exactly once. He also discovered a number system in which $i^2 = j^2 = k^2 = ijk = -1$.

ANSWER: William Rowan Hamilton

14. The thunder god Ukko wields Ukonvasara, one of these items. FTPE:

[10] What type of tool was also used by American folklore figure John Henry, a “steel-drivin’ man”?

ANSWER: hammer

[10] Much more famous is Mjolnir, the hammer belonging to this Norse god.

ANSWER: Thor

[10] Ukko is from this myth system that also features Vainoamoinen, the tales of which were compiled into the Kalevala by Elias Lonrot.

ANSWER: Finnish myth

15. This policy got its name from a character created by Thomas Rice that satirized the policies of Andrew Jackson. FTPE:

[10] Name this set of laws used in the post-Reconstruction South that imposed inequality on black citizens, like making it difficult for them to vote.

ANSWER: Jim Crow laws

[10] Jim Crow laws flourished after the presidential election of this year, as Republicans allowed the end of Reconstruction in the South in return for Southern acceptance of Rutherford B. Hayes’s victory over Samuel Tilden.

ANSWER: 1876

[10] Along with Benjamin Butler, this Senator attempted to pass the Civil Rights Act of 1875 to break the Jim Crow Laws. This man had earlier delivered an anti-slavery speech entitled “The Crime Against Kansas,” after which he was nearly caned to death on the Senate floor.

ANSWER: Charles Sumner

16. This named area has no firm definition but includes the easternmost point on its continent. FTPE:

[10] What is this region named for the point made by the shape of the coast of Somalia?

ANSWER: Horn of Africa

[10] The “horn” of Somalia is separated by the Gulf of Aden from this country on the south of the Arabian Peninsula.

ANSWER: Yemen

[10] Depending on whom you ask, this small country northwest of Djibouti, which broke from Ethiopia after civil war in 2000, is the northernmost part of the Horn of Africa.

ANSWER: Eritrea

17. Marlon Brando took on a weight-lifting regimen to play this character on Broadway. FTPE:

[10] What husband of Stella in *A Streetcar Named Desire* rapes her sister Blanche on the night Stella gives birth to their son?

ANSWER: Stanley Kowalski (accept either)

[10] *A Streetcar Named Desire* was written by this author of *The Glass Menagerie*.

ANSWER: Thomas “Tennessee” Williams

[10] This friend of Stanley’s, played by Karl Malden on Broadway and in the movie, enjoys “muscle building” but is called a “mama’s boy” by Stanley.

ANSWER: Harold “Mitch” Mitchell

18. Answer the following about some important physics experiments, for 10 points each.

[10] The double-slit experiment, which helped demonstrate wave-particle duality, was performed in the early 1800's by this scientist. The ratio of stress to strain is his namesake modulus.

ANSWER: Thomas Young

[10] In the Homestake experiment, only a third of the particles predicted were able to be counted. Turns out, these particles, which can be produced by the Sun, oscillate between their three types.

ANSWER: neutrinos

[10] The balloon-borne experiment BOOMERanG was designed to measure temperature anisotropies of this radiation, which is left over from the Big Bang.

ANSWER: cosmic microwave background radiation [or CMBR]

19. In one work, this woman's portrait is shown to her future husband by Eros and Hymen. FTPE:

[10] Name this woman whose "Destiny" is shown in the first of a namesake series of 24 works.

ANSWER: Marie de' Medici [or Marie de Medicis; prompt on partial answer]

[10] This artist painted the Marie de' Medici cycle. Other works by this man, who was known for his voluptuous nudes, include *The Hippopotamus Hunt* and *The Judgment of Paris*.

ANSWER: Peter Paul Rubens

[10] Rubens created several versions of this Biblical scene, including one for the central panel of a triptych. It depicts Joseph of Arimathea and Nicodemus lowering a dead body using a shroud.

ANSWER: *The Descent from the Cross* [or *The Deposition of Christ*]

20. This campaign began with the founding of the kingdom of Asturias following its victory at Covadonga. FTPE:

[10] Name this centuries long movement during which Christian kingdoms attempted to reconquer the Iberian Peninsula from Muslim forces.

ANSWER: La Reconquista

[10] This Islamic empire had originally established the Caliphate of Cordoba on the Iberian Peninsula. This caliphate that originally ruled from Damascus was defeated at the Battle of Zab by the Abbasids.

ANSWER: Umayyad Caliphate

[10] La Reconquista ended in 1492 with the conquest of Granada by *these two* monarchs who had earlier agreed to fund Christopher Columbus's voyages.

ANSWER: Ferdinand II of Aragon and Isabella I of Castile (accept either order)