

Delta Burke 2015
Round 5

1. Pablo de Sarasate [*sah-rah-SAH-tay*] refused to play this composer's *Violin Concerto* because of the oboe solo in the *Adagio* second movement. This composer's second piano concerto contains a famous cello solo in the *Andante* third movement. This composer, who featured the violin and cello in his *Double Concerto*, wrote one piece after receiving an honorary doctorate. The nickname "Beethoven's Tenth" is given to this composer's first symphony. Another piece by this composer was written to celebrate the birth of Arthur and Bertha Faber's second child. For 10 points, name this German composer of the *Academic Festival Overture* and a famous lullaby.

ANSWER: Johannes Brahms

2. In E.M. Forster's *A Room with a View*, Lucy Honeychurch breaks off her engagement to Cecil Vyse because he won't play this sport with her and Freddy. Humbert Humbert criticizes his step-daughter's playing of this game in *Lolita*. An essay in *Esquire Magazine* described Michael Joyce, a professional player of this sport, and was written by the American novelist who wrote of James Incandenza Junior's founding of Enfield Academy for teaching of this sport. FTP, David Foster Wallace often wrote about what sport, which was the focus of John McPhee's book *Levels of the Game*, which analyzed a match between Clark Graebner and Arthur Ashe, and which is currently played by Roger Federer?

ANSWER: tennis

3. In 1906, members of this ethnic group violently resisted the collection of a poll tax in the Bambatha Rebellion, during which Mohandas Gandhi offered the help of Indians as stretcher bearers for the British. The modern Inkatha Freedom Party was founded by these people, and its current leader is descended from the king who led these people to victory over the British at the Battle of Isandlwana. The most famous leader of this people created the iklwa, a short stabbing spear allegedly named for the sound it made entering a body. FTP what largest ethnicity of South Africa was once led by Shaka?

ANSWER: Zulu

4. The son of this deity lived in a hall with gold pillars and a silver ceiling called Glitnir and was a god of justice. Forseti's home was second in beauty only to Breidablik, this deity's gleaming mansion. This deity's wife was Nanna, who gave gifts for Hermod to bring back to Asgard at the same time this deity gave Hermod the ring Draupnir to return to Odin from Hel. This god's brother was the blind Hoder, who was tricked into shooting an arrow of mistletoe. FTP the death of what beautiful god from Norse myth brings on Ragnarok?

ANSWER: Balder

5. Biological examples of these chemical substances include plants such as *Blackstonia perfoliata* and the common heather. One of these chemical substances, formerly used as a laxative, was first prepared using the reaction of phthalic [*THAL-ik*] anhydride with two equivalents of phenol in the presence of sulfuric acid. Along with a dye, one of these substances can be easily made using red cabbage leaves. The "universal" one of these substances makes use of thymol blue and methyl red. Other examples of these substances include phenolphthalein [*fee-nawl-THAL-een*] and litmus. For 10 points, name these substances that change colors at the equivalence point in a titration.

ANSWER: indicators

6. This man was considered a surrogate son of the Speaker of the House, Sam Rayburn. After two years of service in World War II, this man returned to the Senate and was made head of the Naval Affairs Committee. This man ironically formed the "Stop Kennedy" coalition in 1960 with Adlai Stevenson and Hubert Humphrey. As president, he had a set of domestic programs known as the Great Society. For 10 points, name this Texan who was chosen to be Kennedy's running mate in the election of 1960.

ANSWER: Lyndon B. Johnson (Accept LBJ, prompt on Johnson)

7. A temple on this island that contains a "hidden foot" is composed of six square platforms topped by three circular ones and also includes seventy-two stupas. Banten is the westernmost province on this island, which is home to the active volcano Mount Merapi and the Borobudur temple. Eugene Dubois discovered a specimen of *Homo erectus* on this island, which is the most populous in the world. Located in between Sumatra and Bali, this island contains its country's capital city. For 10 points, name this Indonesian island that is home to Jakarta and names a variety of coffee.

ANSWER: Java

8. The intensity of these objects can be measured on the twelve-point Papadopoulos-Imamura scale. One of these objects led to the somewhat recent rediscovery of relics at Mahabalipuram [*muh-HAH-buh-lee-poo-ruhm*]. The assessment and reporting of these objects, which can be as small as a couple of centimeters, is made with the DART system. A warning sign for one of these objects is a phenomenon called a drawback, although early detection of them is difficult because of shoaling. These objects can have a height of 100 feet, and their name is Japanese for "harbor wave." For 10 points, name these very large waves produced by landslides, earthquakes or volcanic activity.

ANSWER: tsunamis [be nice and prompt on "tidal wave"]

9. This team was outscored 27-0 in the fourth quarter of the 1934 championship game after the Giants switched to sneakers. This team used the T-formation in its 73-0 victory over the Redskins in the 1940 championship game. James Caan and Billy Dee Williams played the main characters in a 1971 made-for-TV movie about two running backs on this team, which was coached in the '40s and '50s by George Halas. Brian Piccolo and Gale Sayers were former members of this team that later included William "Refrigerator" Perry and Walter Payton. For 10 points, name this NFL team whose players recorded "The Super Bowl Shuffle" before winning the 1985 Super Bowl and is currently quarterbacked by Jay Cutler.

ANSWER: Chicago Bears [accept either]

10. This building is located in the background of Bouguereau's painting *The Bohemian*, and a painting by Matisse shows it "in the late afternoon." Leonin and Perotin were members of a school of polyphony named for this building, which is home to the Emmanuel bell. Eugene Viollet-le-Duc restored this building in the 19th century, which is when Victor Pyanet sculpted the gargoyles that adorn it. This building is located on the Ile de la Cite, and its nave may have been the first in the world with exterior flying buttresses. For 10 points, name this Gothic cathedral located in Paris.

ANSWER: Notre Dame [do NOT accept answers mentioning cities other than Paris]

11. An automaton created to participate in this activity kills its creator in the Ambrose Bierce short story "Moxon's Master." Repetitions of the barman's closing cry of "HURRY UP PLEASE IT'S TIME" appear in a section named for this game that is the second part of Eliot's "The Waste Land." A short story by Kurt Vonnegut depicts an American playing this game with his Chinese captor for his and his family's life. That story, "All the King's Horses," depicts, FTP, what game at which Vladimir Nabokov was an expert player and was featured in his novel *The Defense*?

ANSWER: chess

12. This man was the aggressor in the War of Devolution, which took place after the death of King Philip IV of Spain. His “Black Code” allowed slavery, but did not allow the separation of black families. This man made a covert deal with the English known as the secret Treaty of Dover. This man and his ministers were responsible for enacting the Edict of Fontainebleau, which revoked the Edict of Nantes signed by Henry the IV a century before. For 10 points, name this royal who built the Palace of Versailles and was known as the “Sun King.”

ANSWER: Louis XIV (prompt on Sun King before read)

13. One work by this author, subtitled “A Book for Free Spirits,” includes an opening section noting it was begun at the Bayreuth festival of music. *Human, All Too Human* precedes a work by this author that includes a passage titled “The Greatest Weight” which asks whether one would celebrate as a god a demon who announced that one would have to relive his life over the exact same way infinitely many times. That is this thinker’s idea of eternal recurrence. FTP what German philosopher had a madman pronounce that “God is dead” in *The Gay Science*?

ANSWER: Friedrich Nietzsche

14. A book by this man imagines hypothetical splurge-weed and bottle-wrack seaweed. Fred Hoyle’s image of a storm sweeping through a scrapyard inspired this man’s Ultimate Boeing 747 gambit. Another book by this man includes recursive figures called biomorphs and takes its title from a William Paley argument. A memoir by this man discusses the “two chairs effect” and his recent refusal to formally debate creationists. This author of *The Blind Watchmaker* named the green-beard effect and also coined the term meme. For 10 points, name this Oxford professor whose books about atheism and evolutionary biology include *The God Delusion* and *The Selfish Gene*.

ANSWER: Richard Dawkins

15. It’s not personality, but psychologist Henri Tajfel (tah-ful) studied the social construction of this concept, placing this concept in the middle of an evaluation process of others beginning with categorization and ending with comparison. A fragmentation of this concept was called “Multiple Personality Disorder” until the most recent Diagnostic and Statistical Manual. An Austrian psychologist characterized one stage of psychosocial development as posing this concept against role confusion. FTP Erik Erikson argued that failure to develop what sense of self-definition could lead to a namesake crisis?

ANSWER: identity (prompt on “personality” before mentioned, even though it’s really wrong)

16. One character created by this author is an acrophobic architect who falls to his death from a church steeple after being encouraged to climb it by Hilde. Halvard Solness appears in this writer’s *The Master Builder*. Another of his characters convinces Eilert Lovborg to kill himself, but when Judge Brack blackmails her, she also kills herself. This creator of Hedda Gabler also depicted a woman who leaves behind her wedding ring before famously slamming the door behind her as she leaves her husband Torvald Helmer. FTP what Norwegian playwright wrote of Nora Helmer in *A Doll’s House*?

ANSWER: Henrik Ibsen

17. One leader in this event asked Gilbert Burnet, “Well, Doctor, what do you think of predestination now?” after landing his forces at Brixham. A letter written by Henry Sidney led to this conflict, and one side in this conflict was supported by the Immortal Seven. The losing side in this conflict was later defeated in the Battle of the Boyne during the First Jacobite Rising. This conflict was triggered when Mary of Modena gave birth to a boy, spurring Protestant fears of a Roman Catholic heir to the throne. Ending the reign of James II, FTP, name this 1688 revolution that put William and Mary on the throne of England.

ANSWER: Glorious Revolution

18. A woman who engages in this practice is sometimes called a kosayayani, or “owl-like one,” by Buddhists. One Hindu scripture proposes that a woman who engages in this practice, called samagraha, becomes pure at her next menses. Jibreel showed Muhammad people tormented in hell by having inflated bodies and emitting terrible smells for taking part in zina, the Arabic term for this sin. Matthew 5:28 states that he who simply looks upon another with lust commits this sin in his heart. FTP what is this act of cheating on one’s spouse?

ANSWER: adultery (accept reasonable equivalents before last sentence)

19. This quantity for a particle in a box is zero inside the box and infinity at the walls. In a form of the virial equation, the time average of this quantity is multiplied by negative one-half. For a magnetic dipole, this quantity equals the negative dot product of the magnetic moment and magnetic field. For a fully compressed spring, the elastic form of it equals one half kx^2 . The gravitational form of this quantity, which is symbolized by a capital U, equals mgh . For 10 points, name this quantity that is the energy an object possesses due to its position, rather than motion.

ANSWER: potential energy [prompt on “energy;” do NOT accept “kinetic energy”]

20. In this novel, a cryptic postcard reading “U.P. up” causes Dennis Breen much mental distress. One protagonist of this novel masturbates while watching Gerty MacDowell lift her skirts, knowing he’s watching her, during a fireworks show in a section parodying 19th-century Romantic novels. In a section evoking the shape-shifter Proteus, another protagonist of this novel wonders if he is “walking into eternity down Sandymount Strand” after having an argument with Buck Mulligan on June 16, 1904. Molly Bloom’s soliloquy ends, FTP, what dense novel about the symbolic father-son relationship of Leopold Bloom and Stephen Dedalus written by James Joyce and based on Homer’s Odyssey?

ANSWER: Ulysses

Delta Burke 2015
Round 5 Bonuses

1. Martin Winterkorn recently resigned as CEO of this company. For 10 points each:

[10] Name this German automaker that admitted in 2015 to have cheated on emissions tests.

ANSWER: Volkswagen [or VW]

[10] Certain models of VW emit much higher than permitted levels of the oxides of this element.

ANSWER: nitrogen [or N]

[10] A couple years ago, Volkswagen considered changing the name of this luxury SUV after its namesake Berber-speaking Muslim nomads of the Sahara area drove Mali's army out of Azawad.

ANSWER: Touareg [or Tuareg; or Twareg; do NOT accept "Tiguan"]

2. Some patients with this disease are treated with the drug hydroxyurea, which increases the production of the "fetal" version of a certain transport protein. For 10 points each:

[10] Name this disease in which red blood cells have the namesake deformed shape.

ANSWER: sickle-cell anemia

[10] The difference between normal hemoglobin and sickle-cell hemoglobin is caused by a point mutation that changes this amino acid into valine. The neurotransmitter GABA is made from it.

ANSWER: glutamic acid [or Glu; or E; prompt on "glutamate"]

[10] An example of heterozygote advantage is that sickle-cell trait provides some resistance to this disease, which can be caused by the parasite *Plasmodium falciparum*.

ANSWER: malaria

3. In some Jewish households, these objects are attached to a doorpost in a diagonal position. FTPE:

[10] Name these objects that consist of a parchment scroll inside of a small case.

ANSWER: mezuzahs [or mezuzoth; or mezuzot; or mezuzos]

[10] Mezuzahs are inscribed with passages from this fifth book of the Old Testament.

ANSWER: Deuteronomy

[10] The fifth chapter of Deuteronomy includes these basic obligations of man, which were engraved on two stone tablets, and include "Thou shalt not kill."

ANSWER: Ten Commandments [or the Decalogue]

4. This body of water's real-life 1927 flood provides the backdrop to a short novel. FTPE:

[10] William Faulkner's novella "Old Man" depicts a convict who helps a woman give birth during a flood of what river that shares its name with the state with which Faulkner is most associated?

ANSWER: Mississippi River

[10] The speaker of this Langston Hughes poem describes hearing "the singing of the Mississippi when Abe Lincoln/went down to New Orleans."

ANSWER: "The Negro Speaks of Rivers"

[10] The allegorical novel *The Confidence-Man*, by this 19th-century author, is set on a steamboat on the Mississippi.

ANSWER: Herman Melville

5. This structure was commissioned when a ruler of the Mughal Empire lost his favorite wife, Mumtaz, while she was giving birth to her fourteenth child. For 10 points each:

[10] Name this marble structure famous for its four minarets and long reflecting pool on the south side

ANSWER: Taj Mahal

[10] This city in Uttar Pradesh is where the Taj Mahal was built

ANSWER: Agra

[10] This other building project by Shah Jahan features the Lahori Gate and is named after the color of the sandstone used to build the walls.

ANSWER: Red Fort

6. This event, which took around fifteen days, may have occurred through the Little St. Bernard Pass and involved thirty-seven war elephants. For 10 points each:

[10] Name this 218 BC event in which a certain general crossed a certain mountain range.

ANSWER: Hannibal's crossing of the Alps [accept equivalents]

[10] Hannibal crossed the Alps during the first year of this war that was fought between Rome and Carthage, and included major battles fought at Lake Trasimene, Cannae, and Zama.

ANSWER: Second Punic War [prompt on partial answer]

[10] This son of Hamilcar and brother of Hannibal was beheaded after losing the Battle of the Metaurus during the Second Punic War and had his head thrown into Hannibal's camp.

ANSWER: Hasdrubal II

7. Along with Haynes, this man conducted an experiment in 1949 that involved injecting holes into a semiconductor and measuring the diffusion and drift of those minority carriers. FTPE:

[10] Name this physicist who, along with Bardeen and Brattain, developed the transistor.

ANSWER: William Shockley

[10] Shockley names an equation used to model these devices, through which current can only pass freely in one direction. On a diagram, they are symbolized by a triangle pointing to a line.

ANSWER: diodes

[10] Current is often measured using this SI unit, whose namesake French physicist developed a law that can be used to calculate the magnetic field produced by a current-carrying wire.

ANSWER: amperes [or amps]

8. A piano suite by Enrique Granados was inspired by the paintings of this artist. FTPE:

[10] Name this Spanish painter of *The Nude Maja* and *The Third of May 1808*.

ANSWER: Francisco Goya

[10] Goya was the court painter to this Spanish king, who reigned from 1788-1808.

ANSWER: Charles IV

[10] A witch holds a baby, whose fart sets fire to a brazier [*BREY-zher*], in a work by Goya from this series of eighty etchings. It also includes *The Sleep of Reason Produces Monsters*.

ANSWER: *Los Caprichos* [or *The Caprices*]

9. Jonathan Harker is sent to this character's castle to complete a real estate transaction. FTPE:

[10] Name this character who is later chased around Eastern Europe by Van Helsing and others.

ANSWER: Count Dracula

[10] The novel *Dracula* was written by this author, who also wrote *The Lair of the White Worm*.

ANSWER: Abraham "Bram" Stoker

[10] This character from *Dracula* is referred to as the "Bloofer Lady" in newspapers after turning into a vampire. Her fiancé Arthur Holmwood plunges a stake through her heart.

ANSWER: Lucy Westenra [accept either]

10. John Trumbull depicted the death of Joseph Warren at this battle. For 10 points each:

[10] Name this 1775 battle that was actually fought on Breed's Hill in Massachusetts.

ANSWER: Battle of Bunker Hill

[10] "Don't fire 'til you see the whites of their eyes" is often attributed to William Prescott or this other American commander at Bunker Hill, who names a "camp" in Redding, Connecticut.

ANSWER: Israel Putnam

[10] This last name is shared by the British commander at Bunker Hill, as well as the author of "The Battle Hymn of the Republic."

ANSWER: Howe

11. This thinker's namesake paradox posits that the set of all sets that are not members of themselves is a member of itself only if it's not a member of itself. Or something like that. FTPE:

[10] What philosopher presented that paradox in the *Principia Mathematica* he co-wrote with Alfred North Whitehead?

ANSWER: Bertrand Russell

[10] In his theory of descriptions, Russell presented an example sentence stating that the "present king of France" has this quality, which he would share with Vin Diesel and The Rock.

ANSWER: bald

[10] In his book *Why I Am Not a Christian*, Russell attacked the argument from design, more formally called by this name designating it as an argument regarding an end purpose.

ANSWER: teleological argument

12. The 1976 book *The Uses of Enchantment* studies these stories as psychological guides. FTPE:

[10] What kinds of originally oral stories were collected by the Grimm brothers and include works like "Little Red Riding Hood" and "Rapunzel"?

ANSWER: fairy tales or fairy stories

[10] The author of *The Uses of Enchantment* was this Austrian psychologist, a Holocaust survivor.

ANSWER: Bruno Bettelheim

[10] Bettelheim reads this classic tale as representing a child's anxiety over separation from his parents, arguing that the title siblings' ability to use their wits to survive being abandoned in the woods and threatened by a cannibalistic witch provides comfort to children.

ANSWER: Hansel and Gretel

13. The atactic type of these compounds have a random orientation of their R groups and are amorphous, while their syndiotactic type have alternating R groups and are crystalline. FTPE:

[10] Name these compounds made from monomers with the help of Ziegler-Natta catalysts.

ANSWER: polymers

[10] This aromatic polymer is made up of a monomer that consists of benzene bonded to ethylene. Materials such as packing peanuts, egg cartons, and foam coolers can be made of this polymer.

ANSWER: polystyrene [do NOT accept "styrofoam"]

[10] Polystyrene is produced in this type of polymerization, which usually involves the opening up of double bonds. It is often contrasted with step-growth polymerization.

ANSWER: chain-growth polymerization [or addition polymerization]

14. This event began when Edward the Confessor died, bringing Harold Godwinson to the throne. FTPE:

[10] Name this 11th century event, whose decisive Battle of Hastings saw the victor defeat the Englishman Harold Godwinson for the throne.

ANSWER: Norman invasion of England [or Norman conquest of England; accept equivalents]

[10] This Norman King, the only son of Robert I, was the victor at the Battle of Hastings.

ANSWER: William the Conqueror [or William I of Normandy; or William the Bastard]

[10] William the Conqueror called for the publication of this book near the end of his reign. Its original purpose was to collect taxes owed during the reign of Edward the Confessor.

ANSWER: Domesday Book [or Book of Winchester]

15. The title character imagines hearing the "sweet sound" of Edgardo's voice after killing Arturo with a dagger on their wedding night in this opera's "Mad Scene." For 10 points each:

[10] Name this 1835 opera in which the title character sings the aria "Il dolce suono."

ANSWER: Lucia di Lammermoor

[10] Donizetti's opera *Lucia di Lammermoor* is based on the novel *The Bride of Lammermoor* by this Scottish novelist, who also provided the basis for the Arthur Sullivan opera *Ivanhoe*.

ANSWER: Walter Scott

[10] Walter Scott's novel *The Lady of the Lake* inspired the opera *La donna del lago* by this other Italian composer, who included "Figaro! Figaro! Figaro!" in the aria "Largo al factotum." In the overture to another opera by this man, the trumpets announce a cavalry charge.

ANSWER: Gioachino Rossini

16. This author's massive four-volume novel *Joseph and His Brothers* isn't much read these days. FTPE:

[10] What German wrote the much more commonly read novella *Death in Venice*?

ANSWER: Thomas Mann

[10] Von Aschenbach succumbs to cholera in Venice after pining terribly for this beautiful Polish boy.

ANSWER: Tadzio

[10] Mann's massive tale of Hans Castorp's seven-year visit to a sanatorium in Switzerland has this title.

ANSWER: *The Magic Mountain* (or *Der Zauberberg* from *Clever Hans*)

17. This man is the namesake of the CGS unit for luminance. For 10 points each:

[10] Name this alphabetically second namesake of a doubly-eponymous law that states absorbance equals the product of the molar absorption coefficient, concentration, and path length.

ANSWER: Johann Heinrich Lambert

[10] Johann Heinrich Lambert proved that this number is irrational. It is the ratio of the circumference of a circle to its diameter, and it is often approximated as 3.14.

ANSWER: pi

[10] Lambert developed a law concerning the intensity from a diffusely reflecting surface that is named for this trigonometric function. It also names a generalization of the Pythagorean theorem.

ANSWER: cosine

18. These siblings took the teeth, eyes, and power of the demon Seven-Macaw. FTPE:

[10] What brothers from a Meso-American myth system were named Hunahpu and Xbalanque (shabalankay)?

ANSWER: Hero Twins

[10] The Hero Twins appear in the myth system of what culture that thrived in Guatemala and the Yucatan Peninsula till around 900 CE?

ANSWER: Maya

[10] The story of the Hero Twins is featured in this text written in the Quiche language, which provides the basis for much of our knowledge of Mayan myth.

ANSWER: Popul Vuh

19. The Acmeists were a group of early 20th-century poets from this country. FTPE:

[10] The Acmeists, including Osip Mandelstam, wrote a “cool” poetry that contrasted with the more passionate language of Andrei Bely and what country’s Symbolist movement?

ANSWER: Soviet Union (we’ll accept “Russia” in Orlando--up to other sites to do so)

[10] Akhmatova’s poem “Requiem” laments the imprisonment and killing of Russians, including her own son Lev Gumilov, by this Soviet leader.

ANSWER: Josef Stalin

[10] This mid-century Russian poet declared he is an “Anne Frank” or Dreyfus in his poem “Babi Yar” about a slaughter of Jews by the Soviets in World War II.

ANSWER: Yevgeny Yevtushenko

20. Answer the following about some "affairs" from French history. FTPE:

[10] In the Affair of the Diamond Necklace, Louis de Rohan was accused of forging the signature of this queen, the wife of Louis XVI, who was guillotined during the French Revolution.

ANSWER: Marie Antoinette [or Maria Antonia]

[10] Francis I "vomited rage through his eyes" after a sign was posted on his door by these people in the Affair of the Placards, which was followed six years later by an Edict of Fontainebleau.

ANSWER: Huguenots [prompt on "Protestants" or "Calvinists"]

[10] This affair began when the Marquise [*mar-KEEZ*] de Brinvilliers [*brin-vil-YA*] was executed in 1676 for the murder of her father and brothers. During this affair, Madame de Montespan, the mistress of Louis XIV, was suspected of participating in black masses.

ANSWER: Affair of the Poisons