

Delta Burke 2014
Round 12

1. Randee Heller played an "astronaut" on this show who was "born in 1898 in a barn" and "died on the 37th floor of a skyscraper." Robert Morse's character on this show ended its most recent episode with the lyrics "The moon belongs to everyone" and "The best things in life are free." Dick Whitman is the real name of this show's protagonist, whose wife sings "Zou Bisou Bisou" at a party. Sterling Cooper is where Elisabeth Moss's character initially works as a secretary. For 10 points, name this AMC show on which Jon Hamm's character works at an advertising agency.

ANSWER: Mad Men

2. The last quatrain of this sixteen-line poem uses four repetitions of single-syllable words ending with the "-eep" sound. The persona implies the poem takes place on the winter solstice, "the darkest evening of the year." The speaker's horse "gives his harness bells a shake/To ask if there is some mistake," as the speaker has stopped "without a farmhouse near" to watch a neighbor's "woods fill up with snow." Ending with a repetition of the line "And miles to go before I sleep" is what poem, FTP, by Robert Frost in which the speaker sees that the "woods are lovely, dark and deep"?

ANSWER: "Stopping by Woods on a Snowy Evening"

3. In one story, this deity was wounded by a severed head, which created an idiom for sword meaning the "Head of [this god]." This deity spent three nights sleeping between husbands and their wives to create the three classes of man while traveling the world in the form of Rig. This deity retrieved the stolen Brisingamen by transforming into a seal and defeating its thief in battle. He wields the sword Hofund and rides the horse Gulltopper. This god, who was raised by nine mothers, will kill and be killed by Loki at Ragnarok. This owner of the Gjallarhorn has the ability to hear grass grow. For 10 points, name this Norse god who guards Bifrost.

ANSWER: Heimdallr

4. The victim of this event had earlier given a 12 year-old girl the red carnation he wore in his lapel for good luck. This event occurred inside the Temple of Music, and George Foster ignored the perpetrator of this event because he was focused on a swarthy man standing in front of him. This action was inspired by an exploit committed by Gaetano Bresci, and by a speech its perpetrator had heard Emma Goldman give. The man who committed this act hid a gun under a bandage wrap on his right hand. FTP, name this act committed at the 1901 Pan-American Expedition in Buffalo by anarchist Leon Czolgosz [*SHOL-gosh*] that led to Teddy Roosevelt's ascension to the presidency.

ANSWER: assassination of William McKinley [accept equivalents]

5. Robert Stebbins discovered that a member of this taxonomic class that diverged as it spread southward from Oregon is a ring species. Induction during the development of these animals was studied by Spemann and Mangold in transplantation experiments. The model organism *Xenopus* is a member of this class, whose members are affected by the disease chytridiomycosis [*kahy-TRID-ee-oh-my-KOH-sis*]. Along with reptiles, members of this class have a three-chambered heart. Some members of this class catch insects using a sticky tongue and have aquatic larvae called tadpoles. For 10 points, name this class whose members include salamanders and frogs.

ANSWER: amphibians [or Amphibia]

6. A message sent in 1974 from this island included depictions of numbers, DNA, a human, and the solar system. The deepest point in the Atlantic Ocean is located in a trench named for this island. Home of the Arecibo [*ahr-uh-SEE-boh*] Observatory, this island is also home to the coqui [*ko-KEE*] frog,

which can be found in its El Yunque [*yun-KAY*] rainforest. San Cristobal and San Felipe del Morro provide protection to this island's capital. Its city of Mayaguez [*mah-yah-GWES*] is located on the Mona Passage, which separates Hispaniola from this island. For 10 points, name this Caribbean island that is located west of the Virgin Islands, and whose capital is San Juan.

ANSWER: Puerto Rico

7. Salt-free conditions prevent stereochemical drift from occurring in this reaction. The conversion of an erythro compound to a threo compound in this reaction changes the stereochemistry of the product from Z to E in its Schlosser modification. Either a betaine [*BEE-tuh-een*] or a compound containing a four-membered ring called oxaphosphetane is the intermediate in this reaction, which begins with a phosphonium salt being treated with a strong base to give an ylide [*IL-id*]. For 10 points, name this organic chemistry reaction that converts aldehydes or ketones into alkenes.

ANSWER: Wittig reaction

8. One part of this work consists of letters, one of which is named "Ultimatum," while another discusses the validity of marriage, those letters were written by Judge Wilhelm. This work with sections entitled "Shadowgraphs" and "Diapsalmata" uses a theory of social prudence to defeat boredom in its section "Crop Rotation." Johannes Climacus describes how he woos women mostly because he finds it interesting in this work's section "Diary of a Seducer." This work written under the pseudonym Victor Eremita examines the difference between the aesthetic and ethical life views. FTP, identify this philosophical text written by Soren Kierkegaard.

ANSWER: Either/Or [or Enten-Eller]

9. During a 1944 battle in this country, Polish troops used a bear named Wojtek [*VOY-tehk*] to move ammunition. A microhistorian from this country wrote a work in which a miller compares angels to worms that appear in cheese. A group called the Red Brigades assassinated a Prime Minister during the Years of Lead in this country. A different PM of this country enjoyed bunga bunga sex parties. This country lost the Battle of Adwa and was forced to accept Ethiopian independence. For 10 points, name this country that has been led by Silvio Berlusconi and Benito Mussolini.

ANSWER: Italy

10. In this novel, Barney, the bartender at The Three Cripples, is an evil Jewish caricature. The title character is blamed for the theft of a handkerchief from Mr. Brownlow, though Charley Bates and Jack Dawkins are guilty. Charley's cries of fear after the murder of the kindly prostitute Nancy by Bill Sikes lead to Sikes's capture by a mob in this novel. The other boy thief, Dawkins, is better known as the Artful Dodger. "Please, sir, I want some more," earns the protagonist a severe beating in, FTP, what Victorian novel by Charles Dickens?

ANSWER: Oliver Twist

11. During one battle in this war, Pedro Meza attempted to bombard the enemy's fleet while floating past them. The Duke of Caxias led one country's forces, and this war began following the ousting of Atanasio Aguirre's Blanco party by the foreign-backed Colorados. The Battle of Riachuelo occurred during this conflict, and this war began with one side's invasion of Mato Grosso. Leaders during this conflict included Argentina's Bartolome Mitre and Pedro II of Brazil, while Francisco Solano Lopez ruled Paraguay. FTP, name this war where Paraguay was defeated by the namesake coalition of Argentina, Brazil, and Uruguay.

ANSWER: War of the Triple Alliance

12. This man originally wanted to cover a certain house in gold leaf to resemble the dead leaves of a

rhododendron. A building designed by this man includes "dendriform" columns topped with huge "lily pads." In addition to the Johnson Wax Headquarters, this man designed a building out of oya stone that had a foundation intended to float structurally, which allowed that hotel to survive a devastating 1923 earthquake. This man, who designed the Imperial Hotel in Tokyo, also designed a museum that resembles an upside-down ziggurat and features a spiral ramp inside the gallery. For 10 points, name this architect who designed Fallingwater and the Guggenheim in New York.

ANSWER: Frank Lloyd Wright

13. One novel by this author sees David narrate the story of his homosexual relationship with the title character on the night before the latter is executed. That novel appeared six years before an essay describing this author's early life as a preacher and religion's role in the Civil Rights movement, published in *The New Yorker* as "Down at the Cross," and then combined with another work in a two-part collection called *The Fire Next Time*. This author's first novel portrays the young street preacher John Grimes' growing disillusionment with his faith. FTP what African-American author wrote *Giovanni's Room* and *Go Tell It on the Mountain*?

ANSWER: James Baldwin

14. Schumann resonances are confined by Earth's surface and this region, which is home to variability called the diurnal, winter and equatorial anomalies. The satellites AEROS and AEROS B were launched to study this region, which is also studied by the HAARP program. Some of its layers are named for Heaviside and Appleton, but it is more commonly divided into D, E, and F layers. This region extends from about 50 to 300 miles above the Earth's surface, and it overlaps with the thermosphere. For 10 points, name this atmospheric region that is useful for radio transmissions and is named for its large amount of free electrons and positively charged molecules.

ANSWER: ionosphere

15. The French essayist Michel de Montaigne describes meeting three tribal people from what is this modern country after they had been presented to Charles IX in his essay "Of Cannibals." Richard G. Parker's book *Bodies, Pleasures, and Passions* analyzed the "sexual culture" of this country. The author of one work describing people living in a northern border region of this country was accused of inciting violence and introducing measles to the Yanomami. The myths of the Bororo people of this country are analyzed in the book *The Raw and the Cooked*. FTP, Claude Levi-Strauss's *Tristes Tropiques* describes his time in what country at the University of Sao Paulo?

ANSWER: Brazil

16. In this colony, Enoch Brown and students were killed by Lenape [*LEN-uh-pee*] warriors. One year earlier in this colony, the Paxton Boys committed the Conestoga Massacre, which wiped out the Susquehannock people. Edward Braddock was mortally wounded during an expedition to capture Fort Duquesne [*doo-KEYN*] in this colony. The passage of the Townshend Acts led John Dickinson to write *Letters from a Farmer in this colony*, whose southern border was established by the Mason–Dixon line. For 10 points, name this colony founded by William Penn.

ANSWER: Pennsylvania

17. In an experiment performed by this man, an insulating string was used to lower a charged metal ball into an ice pail. The strength of an effect named for this man is given by the Verdet constant, and optical isolators rely on that effect. This man names a device used to collect electrons scattered from the nickel target in the Davisson–Germer experiment. A constant named for him appears in the Nernst equation and equals the electric charge of a mole of electrons. This man names a law that states EMF is proportional to the time rate of change of the magnetic flux. For 10 points, name this English scientist

who also names the SI unit of capacitance.

ANSWER: Michael Faraday

18. In one novel by this author, Colonel Mindrau and Richard Dufo are among the suspects that are investigated by Lt. Silva and Officer Lituma. This author wrote one novel in which Urania Cabral flees the Dominican Republic after being raped by Rafael Trujillo. This author of *Who Killed Palomino Molero?* and *The Feast of the Goat* wrote a novel in which Cava steals an exam's answer key for Jaguar while they are students at Leoncio Prado Military Academy. In another novel by this man, the protagonist works at Radio Panamerica, which plays soap operas written by Pedro Camacho. FTP, name this Peruvian author of *The Time of the Hero* and *Aunt Julia and the Scriptwriter*.

ANSWER: Mario Vargas Llosa (prompt on partial answer)

19. One man in this work asks a crowd of people, "If ye have felt to sing the song of redeeming love...can ye feel so now?" Early in this book, a man sees a vision of a "dark and dreary waste" that people are able to navigate by holding on to a rod of iron. Men in this work like Sherem and Korihor are given the sobriquet of "anti-Christ." One group in this book is led by a compass called the Liahona, that group later founds the city of Zarahemla. Sections of this book are titled after men like Jacob, Alma, and Helaman, and the main peoples in this work are divided into Lamanites and Nephites. FTP, name this religious text supposedly translated from golden plates by Joseph Smith, Jr.

ANSWER: The Book of Mormon

20. One of this composer's symphonies in B minor was first performed 43 years after it was written. That work's first movement in 3/4 time only has a four measure transition between its first theme, played by the oboe and clarinet, and its G major second theme, played by the cellos. Otto Erich Deutsch cataloged the works of this composer, who was inspired by Goethe's play *Faust* in a work in which the whirl of the title object is represented by a sixteenth note figure in the right hand. "Gretchen at the Spinning Wheel" is one of his more than six hundred art songs, or lieder. For 10 points, name this Austrian composer of the *Unfinished Symphony*.

ANSWER: Franz Schubert

1. Joseph Brackett composed this song, whose lyrics include "And when we find ourselves in the place just right / 'Twill be in the valley of love and delight." For 10 points each:

[10] Name this song, variations of which appear in the ballet *Appalachian Spring*.

ANSWER: "Simple Gifts" [prompt on "Shaker hymn"]

[10] *Appalachian Spring*, along with *Billy the Kid* and *Rodeo*, were ballets scored by this American, who also composed *Lincoln Portrait* and *Fanfare for the Common Man*.

ANSWER: Aaron Copland

[10] Aaron Copland's *Clarinet Concerto* was commissioned by this "King of Swing," whose orchestra performed "Sing, Sing, Sing" at a famous jazz concert at Carnegie Hall in 1938.

ANSWER: Benny Goodman

2. Marcel Mauss's famous essay titled for these entities opines that they are crucial for social solidarity. FTPE:

[10] What is this presentation of something of value, the "true" type of which is offered without expectation of reciprocity?

ANSWER: gift

[10] Gift-giving was prominent in these ceremonies of the Pacific Northwest which were meant to signify the social status of the one providing the festivities.

ANSWER: potlatch

[10] This German-born anthropologist, author of *The Mind of Primitive Man*, wrote about the potlatch ceremonies of the Kwakiutl people.

ANSWER: Franz Boas

3. This play's protagonists watch a performance put on by the Tragedians, which foreshadows their impending death. FTPE:

[10] Name this absurdist drama about two minor characters from Hamlet. This play begins with a coin flip coming up heads ninety-two times in a row.

ANSWER: *Rosencrantz and Guildenstern are Dead*

[10] *Rosencrantz and Guildenstern are Dead* is a play by this man, whose play *Arcadia* flip-flops between the year 1809 and the present.

ANSWER: Tom Stoppard

[10] The entirety of Stoppard's *The Real Inspector Hound* is presented as this type of composition. Another work of this type is *The Murder of Gonzago*, which is put on to "catch the conscience of the king."

ANSWER: play-within-a-play (accept clear-knowledge equivalents)

4. Answer the following about the theory of special relativity, for 10 points each.

[10] A postulate of special relativity states this quantity in a vacuum, measured in any inertial frame, always has the same value. It is denoted *c*, and is around 300 million meters per second.

ANSWER: speed of light

[10] This consequence of special relativity was verified in 1971 by Hafele and Keating when cesium atomic clocks that were flown around the world were different from those on Earth.

ANSWER: time dilation

[10] Time dilation was also verified in an experiment performed by Rossi and Hall using these particles that are produced in the upper atmosphere. Many of these leptons reach the Earth despite their average lifetime of 2.2 microseconds because they travel at nearly the speed of light.

ANSWER: muons

5. Roughly 1,800 of 2,400 passengers were killed about the Sultana in 1865 in one of these events. FTPE:

[10] Caused by faulty boilers, what type of event on the Sultana caused more deaths than any other US maritime disaster?

ANSWER: ship explosion [prompt on "sinking" or equivalents]

[10] Another famous ship explosion occurred on the USS Princeton in 1844; this current president, the first vice president to accede to the presidency, was unharmed though he was on board.

ANSWER: John Tyler

[10] Probably the most famous ship explosion in US history occurred on this navy cruiser in Havana Harbor in 1898, helping generate fever for war with Spain.

ANSWER: USS Maine

6. The current US Poet Laureate, Natasha Trethewey, is a resident of this city. FTPE:

[10] In what city did Margaret Mitchell write and set much of *Gone with the Wind*?

ANSWER: Atlanta

[10] The Atlanta Constitution published the tales collected on plantations by this author who popularized Br'er Rabbit and Br'er Fox to white audiences.

ANSWER: Joel Chandler Harris

[10] Harris used this surprisingly benevolent and forgiving slave as the mouthpiece for his Br'er Rabbit tales.

ANSWER: Uncle Remus

7. Answer the following about Inuit mythology, for 10 points each.

[10] This sea goddess was once pushed off a boat by her parents, and while clinging to the side of the boat, her parents cut off her fingers, which turned into a bunch of different sea animals.

ANSWER: Sedna

[10] Sedna rules Adlivun, which is this kind of location in Inuit myth, and has a name meaning "those beneath us." Examples of this location in other myth systems include Hel and Hades.

ANSWER: underworld [accept equivalents]

[10] Inuit mythology also includes the Adlet, which are monsters born to a woman who married one of these creatures. Norse myth includes one of these creatures named Garm that guards Hel.

ANSWER: dogs [accept equivalents]

8. Some crewmembers of this ship later died in the shipwreck of the *Pandora*. FTPE:

[10] Name this trading ship whose crew mutinied against captain William Bligh.

ANSWER: *HMS* Bounty

[10] The *Bounty* had originally been sent to Tahiti to acquire this foodstuff that could be used as a cheap source of food for slaves, since it is so rich in starch.

ANSWER: breadfruit

[10] The mutiny on the *Bounty* was led by this man, who had replaced John Fryer as Sailing Master early in the voyage.

ANSWER: Fletcher Christian

9. This work presents "mimesis," or roughly "representation," is the core of the title concept. FTPE:

[10] What work of Greek philosophy defines the goal of tragedy as catharsis, or the release of strong emotions?

ANSWER: Poetics

[10] This tutor of Alexander the Great and author of *Nicomachean Ethics* wrote *Poetics*.

ANSWER: Aristotle

[10] Aristotle's *Poetics* gives this Greek name to the inner motive in a character that drives him to make choices that lead to tragedy; it's often commonly rendered as a "fatal flaw."

ANSWER: hamartia

10. In one type of this data structure, items are ordered by priority. For 10 points each:

[10] Name this first in first out data structure that is often contrasted with a stack.

ANSWER: queue

[10] Changes to a stack are controlled by these two operations, which begin with the same letter. These two operations add an item to and remove an item from the top of the stack.

ANSWER: push and pop

[10] Stacks are used in this method of representing arithmetic expressions, in which functions are preceded by their operands. It was used in the HP-35, the first pocket scientific calculator.

ANSWER: reverse Polish notation [or RPN; or postfix notation]

11. A painting by this man depicts the strap of a woman's gown slipping from her shoulder. FTPE:

[10] Name this American painter of *Gassed* as well as *Portrait of Madame X*.

ANSWER: John Singer Sargent

[10] In the painting *The Daughters of Edward Darley Boit*, there are this many tall Japanese vases. In the painting *Carnation, Lily, Lily, Rose*, this number of girls hold Chinese lanterns.

ANSWER: two

[10] Sargent also painted a portrait of this female art collector. Her namesake Boston museum, which includes the Sargent painting *El Jaleo*, was robbed in 1990.

ANSWER: Isabella Stewart Gardner

12. The National Industrial Recovery Act set this rate at 25 cents before that legislation was invalidated. FTPE:

[10] What is this nation-wide floor for minimum payment for workers?

ANSWER: federal minimum wage

[10] That first attempt at a federal minimum wage was invalidated in the decision in this Supreme Court case, often referred to as the “sick chicken” case.

ANSWER: Schechter Poultry Corp v. US

[10] The Court used this clause from Article 1 of the Constitution as a basis for rejecting the NIRA. This clause states that the federal government only regulates interstate and international trade.

ANSWER: commerce clause

13. Name these pieces of equipment often used in a chemistry laboratory, for 10 points each.

[10] This common piece of equipment is often used to heat liquids and usually has a pouring lip. Unlike a flask, this flat-bottomed container is cylindrical.

ANSWER: beaker

[10] This piece of lab equipment is sometimes used to cover a beaker. Crystallization and the weighing of solids are both often performed in this piece of concave shaped equipment.

ANSWER: watch glass

[10] During a filtration, this piece of equipment, with a somewhat weird name, is used to dislodge particles that cling to the beaker. It is essentially a scraper that is attached to a glass stirring rod.

ANSWER: rubber policeman

14. Answer the following about Ebola in the United States, for 10 points each.

[10] This “implementation expert” was named Ebola response coordinator for the Obama administration. This man previously served as Chief of Staff to both Joe Biden and Al Gore.

ANSWER: Ron Klain

[10] After her cameraman contracted Ebola, this chief medical editor of NBC News voluntarily agreed to quarantine herself. However, this woman was caught violating the quarantine.

ANSWER: Nancy Snyderman

[10] The first three patients to have Ebola in this state were the Liberian man Thomas Eric Duncan, a nurse named Nina Pham, and ... ummm ... what's the third one ... ummm ... oops. Did I mention this state's governor is Rick Perry?

ANSWER: Texas

15. One author from this country wrote about a man who saves Jews from the Holocaust in *Schindler's Ark*. FTPE:

[10] Name this country home to writers Thomas Keneally and Patrick White, whose novel *Voss* takes place in the Outback.

ANSWER: Australia

[10] This Australian author rewrote *Great Expectations* in *Jack Maggs*, and wrote about a competition to transport a glass church across the continent in *Oscar and Lucinda*.

ANSWER: Peter Carey

[10] Peter Carey wrote a *True History* about this Australian outlaw who authored the Jerilderie letter and was captured following a shootout during which he wore homemade bulletproof armor.

ANSWER: Ned Kelly (or *True History of the Kelly Gang*)

16. This island is separated from Australia's Cape York Peninsula by the Torres Strait. FTPE:

[10] Name this island in Oceania, whose eastern half is its own country with capital Port Moresby.

ANSWER: New Guinea

[10] The western half of New Guinea is controlled by this archipelagic nation that also controls the islands of Sulawesi, Sumatra, and Java.

ANSWER: Indonesia

[10] This mountain, also known as the Carstenz Pyramid, is the highest point on New Guinea.

ANSWER: Puncak Jaya

17. One region of this gland secretes FSH, prolactin, and growth hormone. For 10 points each:

[10] Name this gland near the base of the brain that is divided into posterior and anterior regions.

ANSWER: pituitary gland [or hypophysis]

[10] The posterior pituitary gland secretes this hormone, along with oxytocin. This peptide hormone increases the permeability of the kidney's collecting duct to water.

ANSWER: (arginine) vasopressin [or AVP; or ADH; or antidiuretic hormone]

[10] Vasopressin is synthesized in this region of the brain, which is located directly above the pituitary gland. It is home to the suprachiasmatic nucleus, which controls circadian rhythms.

ANSWER: hypothalamus

18. This poet's fictional Tilbury Town was based on his hometown of Gardiner, Maine. FTPE:

[10] What author described a "child of scorn" who "kept on drinking" in the poem "Miniver Cheevy"?

ANSWER: Edwin Arlington Robinson

[10] This other Robinson title figure "glittered when he walked" and was "richer than a king" but still went home one night and "put a bullet through his head."

ANSWER: "Richard Cory"

[10] Robinson's "Mr. Flood's Party" uses the line "the bird is on the wing" as an explicit reference to this collection of quatrains by Omar Khayyam.

ANSWER: Rubaiyat

19. This man and his father, the 1st Earl of Northumberland, led England to victory over Scotland, led by Archibald Douglas, 4th Earl of Douglas, at the Battle of Humbleton Hill. For 10 points each:

[10] Name this "reckless" Englishman who was killed at the Battle of Shrewsbury in 1403.

ANSWER: Henry Percy [or Hotspur]

[10] Henry Percy rebelled against this king, a son of John of Gaunt who succeeded Richard II.

ANSWER: Henry IV [or Henry of Bolingbroke]

[10] Henry IV founded this house, which fought the House of York in the Wars of the Roses.

ANSWER: House of Lancaster

20. This heresy's founder was excoriated for his rejection of the Virgin Mary's title of *Theotokos*. FTPE:

[10] Name this Christian heresy that maintained that the human and divine persons of the Christ are separate, and was condemned in 431 at the First Council of Ephesus.

ANSWER: Nestorianism

[10] Nestorianism is not to be confused with Arianism, which claimed that the Son of God was subordinate to God the Father. Arianism was condemned at this council in AD 325 that established the date of Easter in its namesake Creed.

ANSWER: First Council of Nicaea

[10] In 787 the Second Council of Nicaea denounced this practice of deliberate destruction of holy

relics, which had been upheld at the pro-Byzantine Council of Hieria.

ANSWER: Iconoclasm