

Delta Burke 2014
Round 10

1. This work describes husbands who perform pointless tasks to prove their love as "dancing monkeys." A mythical person in this work is described as hot, brilliant, funny, adores football, loves chili dogs, and maintains a size two. Written by the author of *Dark Places* and *Sharp Objects*, this work is set in North Carthage, Missouri and includes a notable description of the "cool girl." This work begins with the disappearance of a woman on her fifth wedding anniversary. For 10 points, name this Gillian Flynn novel that was recently turned into a movie starring Ben Affleck.

ANSWER: Gone Girl

2. The first novel written in this language by Czech-born Milan Kundera was the 1993 work *Slowness*. The trilogy comprising the novels *Molloy*, *Malone Dies*, and *The Unnameable* were the first written in this language by an author who chose not to write in English to escape the influence of his mentor, James Joyce. American-born author Jonathan Littell is a resident of Barcelona who wrote the novel *The Kindly Ones* in this language, which won the Prix Goncourt. FTP in what language did Samuel Beckett write *Waiting for Godot*, the primary language of Andre Gide [*zheed*]?

ANSWER: French

3. A form of this quantity for metal oxides is plotted against temperature on an Ellingham diagram. Chemical potential is equivalent to the partial molar form of this quantity, whose partial derivative with respect to pressure equals volume. In redox reactions, the change in this quantity equals the negative product of the number of moles of electrons transferred, Faraday's constant, and the electromotive force. A reaction is spontaneous if the change in this quantity is negative. The change in this quantity equals the change in enthalpy minus the product of temperature and the change in entropy. For 10 points, name this eponymous free energy symbolized G.

ANSWER: Gibbs free energy

4. The second king of this empire fell to his death while trying to pray on a staircase. Another ruler of this empire founded the self-serving religion of Din-i-Ilahi. The founder of this empire expanded from his hereditary land of Ferghana and defeated Rana Sanga at Khanwa. That ruler of this empire defeated Ibrahim Lodi at a site where Hemu would later lose to Bairam Khan. This empire that won the First and Second Battles of Panipat was ruled by a man whose architectural projects included the Red Fort and a mausoleum for his wife known as the Taj Mahal. Founded by Babur, FTP, name this Indian kingdom ruled by Akbar the Great and Shah Jahan.

ANSWER: Mughal Empire

5. This man resigned from a post in Weimar after conducting the premiere of *The Barber of Bagdad*, which was a disaster. This man also conducted the premiere of the opera *Lohengrin* by Richard Wagner, who would later marry Cosima, his daughter. The movements "Gretchen" and "Mephistopheles" are found in a symphony by this man, who is credited with inventing the symphonic poem. This man was also arguably the greatest piano virtuoso of the nineteenth century. For 10 points, name this composer of *Les Preludes* and the *Hungarian Rhapsodies*.

ANSWER: Franz Liszt

6. The Universal Fellowship of Metropolitan Community Churches is the only Christian denomination specifically designed for this community. The 2007 Mormon pamphlet titled “God Loveth His Children” was addressed to members of this community to clarify the LDS church’s stance regarding them. The Dalai Lama said in a 1997 speech that members of this community deserve protection from discrimination while acts constituting this status could fit Buddhist definitions of “misconduct.” FTP some Christians use Leviticus as pretext for discriminating against what community, using the passage stating it’s an “abomination” for a man to lie with a man?

ANSWER: LGBTQ (accept “homosexuality” or gay or other equivalents)

7. The rate of these events are increased by A3G, which reduces HIV's infectivity. These events were shown to be independent of the action of a virus in the Luria-Delbruck experiment. Kimura stated in a 1968 paper that many of these events are neutral. Bacteria unable to synthesize histidine are used in the Ames test to detect these events, which also cause deviations in Hardy–Weinberg equilibrium. A different amino acid is coded in the missense type, and the point type changes a single base. For 10 points, name these changes in the genetic composition of an organism.

ANSWER: mutations [accept specific types]

8. This US state is home to Fort Bridger, named for the mountain man who established it as a major supply depot for the Oregon and Mormon Trails. The treaty ending the Red Cloud War was signed in this state in a town that saw the hate crime murder of Matthew Shepard in 1998. In 1925 this state elected Nellie Ross as the first female governor in US history, perhaps unsurprising as this state granted women suffrage upon entrance to the Union in 1890. Fort Laramie and Casper are towns in, FTP, what state with capital at Cheyenne?

ANSWER: Wyoming

9. Irwin Shaw’s novel *The Young Lions* follows three young men during this war. The supposed theft of a quart of strawberries becomes an obsession for Captain Queeg in another novel set on a minesweeping ship in this war, *The Caine Mutiny*. James Jones set three novels in this war, including *The Thin Red Line* and a book focusing on the activities of G Company in Hawaii, *From Here to Eternity*. The island of Anopopei provides the setting for another novel of this war, set in the South Pacific. FTP what war is the subject of Norman Mailer’s *The Naked and the Dead*?

ANSWER: World War II

10. The United Nations declared 2005 the “International Year of” this practice, which is sometimes accomplished through the Comilla Model. Groups such as BancoSol and Pro Mujer advocate this practice specifically for women. Former *Jeopardy!* champion Bob Harris wrote about providing this service in “The International Bank of Bob.” Championed by Grameen Bank, this economic activity won one of its leading proponents, Muhammad Yunus, the 2006 Nobel Peace Prize. FTP, what is this practice that gives small amounts of money to people in poor countries to help lift their economic standing?

ANSWER: Microlending or microcredit or microloans

11. This mountain’s volcanic activity is caused by its location at a junction between three tectonic plates: the Amurian, Okhotsk, and Filipino. The Osawa Collapse of about one thousand years ago created a namesake valley on this peak’s western slope. Water run-off from this mountain feeds the Kakita River. This mountain’s Hitoana Cave is flanked by monuments to this peak’s namesake Kami. Located on Honshu, FTP what mountain is the tallest in Japan?

ANSWER: Mount Fuji

12. Organized in part by Virginia Durr and E.D. Nixon, this action relied on the experience of T.J. Jemison, who'd created a similar protest in Louisiana. A year after this event, the Supreme Court affirmed a lower court decision in *Browder v. Gayle* asserting the type of treatment Claudette Colvin and Mary Louise Smith endured in the months before the practice that led to this event was ruled unconstitutional. Carpools were arranged to move people around the namesake city because of this action. FTP, what action began on December 5, 1955, ignited by the arrest of Rosa Parks on the namesake conveyance in an Alabama city?

ANSWER: Montgomery Bus Boycott

13. A student of this university invented the calotype process. A professor of this university led a 1919 expedition to observe a solar eclipse in order to test Einstein's theory of general relativity. Another professor of this university designed the difference and analytical engines. Michael Green is a current professor at this university, which is where Watson and Crick discovered DNA's structure. Isaac Newton and Stephen Hawking held the Lucasian Professorship of Mathematics at this university. For 10 points, name this English university that is a rival of Oxford.

ANSWER: Cambridge

14. This city names a three-movement symphony in D major that begins with the full orchestra playing a whole note and two half notes, followed by a Mannheim rocket in the third measure. Jean-Baptiste Carpeaux's sculpture *The Dance* is located in a Charles Garnier designed building in this city, which was the setting of a painting in which a couple share an umbrella in front of a green gaslight. Mozart's thirty-first symphony is named for this city, where I. M. Pei designed a large pyramid for an art museum. For 10 points, name this French city home to the Louvre and the Eiffel Tower.

ANSWER: Paris

15. This figure was weakened before his last battle with Lugaid after he broke an oath not to eat dog meat in order not to refuse the hospitality of an old woman. After being invited to a feast by Conchobar, this figure killed a blacksmith's guard dog and took a new name when he agreed to guard the smith's house himself. This figure answered to Sétanta in his youth. FTP, name this wielder of the spear Gae Bolg, an Irish hero from *The Cattle Raid of Cooley* who is also known as the "Hound of Ulster."

Answer: Cú Chulainn (accept Sétanta before mentioned)

16. This poem warns that "too long a sacrifice can make a stone of the heart," and says "a shadow of cloud on the stream/ changes minute by minute." It mentions a man who "kept a school/ and rode our winged horse" who "might have won fame in the end," and another man in this poem is called "a drunken, vainglorious lout." The narrator of this poem has "passed them with a nod of the head/ or polite meaningless words." Several stanzas of this poem end with the lines saying things are "changed, changed utterly," and that "a terrible beauty is born." FTP, name this poem about the titular Rising by William Butler Yeats.

ANSWER: Easter, 1916

17. This man told his former mistress Harriette Wilson, when she threatened to release her memoirs, "Publish and be damned!" This man scored a victory over the Maratha [*muh-RAH-tuh*] Empire at the Battle of Assaye. Forces under this man liberated Madrid following his victory at the Battle of Salamanca, and crushed the forces of King Joseph at Vitoria to end the Peninsular War. This man won a later battle thanks to a reckless charge ordered by Marshal Ney. At that battle, this man's army was reinforced by troops led by Gebhart von Blucher. That victory ended the "Hundred Days." FTP, name this man who defeated Napoleon at the Battle of Waterloo in 1815.

ANSWER: Duke of Wellington

18. A critique of this work utilized an argument in which one million people each gave Wilt Chamberlain twenty-five cents. The author of this work later expanded on his theory of a device that permits only inequalities that help the most needy; that device is the Difference Principle. The first chapter of this work imagines the title concept “as Fairness.” As an alternative to Hobbes’ brutal “state of nature,” this work discusses the “original position” from which people decide the principles of society while blinded by a “veil of ignorance.” Robert Nozick criticized this work in *Anarchy, State, and Utopia*. FTP, name this philosophical work written by John Rawls.

ANSWER: A Theory of Justice

19. Maurice Ewing discovered that this quantity reaches a minimum value in the ocean at the SOFAR layer. For an ideal gas, this quantity equals the square root of the quantity adiabatic constant times gas constant times temperature divided by molecular mass. For a solid, this quantity equals the square root of the quantity Young's modulus divided by density. This quantity, which is highest in solids and lowest in gases, appears in the denominator of the formula for calculating the Mach number. Objects moving through the air faster than this quantity can produce a sonic boom. For 10 points, name this quantity equal to about 343 meters per second in air.

ANSWER: speed of sound

20. This US state is the setting of a scene in a novel in which a revival tent preacher is accused of raping a goat and a young girl by the hulking, hairless Judge Holden. Jimmy Blevins’ horse is awarded to John Grady Cole at the end of a novel that begins and ends on a ranch in this state. *Blood Meridian* and *All the Pretty Horses* are novels partly set in this state, as is a novel in which Llewelyn Moss’s discovery of over two million dollars at the bloody scene of a drug deal gone wrong leads to his wife’s killing by Anton Chigurh. FTP in what state did Cormac McCarthy set *No Country for Old Men*, which ends with Carla Jean’s murder in El Paso?

ANSWER: Texas

Delta Burke 2014
Round 10 Bonuses

1. The character of “Doc” in this novel is based on the author’s friend Ed Ricketts, to whom the novel is also dedicated. FTPE:

[10] Mack’s party for Doc destroys his marine biology lab in the title industrial location in what novel?

ANSWER: Cannery Row

[10] Cannery Row was written by this Californian better known for *The Red Pony* and *Of Mice and Men*.

ANSWER: John Steinbeck

[10] Steinbeck detailed a six-week journey with Ricketts to find and catalogue marine specimens from the Gulf of California in this non-fiction work.

ANSWER: *The Log from the* Sea of Cortez

2. Answer the following about the male reproductive system, for 10 points each.

[10] The seminiferous tubules, where sperm are formed, and Leydig cells, where testosterone is secreted, are both found in these organs, which are located in the scrotum.

ANSWER: testes [or testicles; or gonads; or balls; or nuts; or other synonyms]

[10] In order to combat the acidic vagina, semen has a mild alkaline pH thanks to secretions from this structure. Levels of its namesake specific antigen are elevated in its namesake cancer.

ANSWER: prostate gland

[10] Until ejaculation occurs, sperm are stored in this structure. During the two month maturation process in this structure, sperm develop a tail-like flagellum that is used for motion.

ANSWER: epididymis [*ep-ih-DID-uh-mis*]

3. This book includes the tale of Culhwch and Olwen. FTPE:

[10] What collection of Celtic myths also includes many tales of the hero Pryderi?

ANSWER: Mabinogion

[10] In order to marry Olwen, Culhwch is instructed to find this cousin of his who rules from Cornwall; in English tales, this ruler is placed instead at Camelot.

ANSWER: King Arthur

[10] Pryderi was killed by Gwydion after the latter stole a particularly sweet-tasting herd of these animals from him. Theseus killed one of these animals that had ravaged the region of Crommyon in Greek myth.

ANSWER: pigs [prompt on “sow”]

4. This group led by Walter Waters camped on Anacostia Flats until they were driven out on July 28.

FTPE:

[10] Name this group of WWI veterans who marched on Washington during the Great Depression in order to cash in certificates they had received in 1924.

ANSWER: Bonus Army

[10] This American general led the US troops that drove the Bonus Army from Washington. This man would later say, “I shall return,” after he was forced to retreat from the Philippines during WWII.

ANSWER: Douglas MacArthur

[10] Following WWII, MacArthur was in charge of the US occupation of Japan, which included getting this man to revoke his claim to deity. This emperor had earlier told his subjects to “endure the unendurable” in the Jewel Voice Broadcast.

ANSWER: Hirohito

5. Sociologist Robert Merton classified some types of this non-routine behavior into categories like retreatism and rebellion. FTPE:

[10] What term do sociologists use to identify actions that violate social norms?

ANSWER: deviance

[10] Merton used this term to refer the belief in cultural norms and the means of achieving them. More generally, this term refers to attempts to behave as others around one behave. Those who rebel fight against this concept in society.

ANSWER: conformity (accept word forms)

[10] This originally Polynesian term refers to an action which is completely forbidden in a culture. Common examples include prohibitions against incest and murder.

ANSWER: taboo

6. Plasmons are responsible for the surface-enhanced type of this process. For 10 points each:

[10] Name this type of inelastic scattering that produces either Stokes lines or anti-Stokes lines.

ANSWER: Raman scattering

[10] The sky is blue due to a different type of scattering named for this British physicist, who also names a type of seismic surface wave that moves molecules in a circular motion.

ANSWER: 3rd Baron Rayleigh [or Lord Rayleigh; or John William Strutt]

[10] Rayleigh scattering is inversely proportional to this power of the wavelength. There are this number of fundamental forces and also this number of dimensions in space-time.

ANSWER: four [or fourth power]

7. An early work by this man in which two angels catch Christ's blood in chalices was influenced by Perugino and was bequeathed to the National Gallery by Ludwig Mond. For 10 points each:

[10] Name this Italian painter, some of whose frescoes are located in the Stanza della Segnatura.

ANSWER: Raphael Sanzio [or Raffaello Santi; accept any underlined answer]

[10] This fresco by Raphael, which is located across from *La Disputa* in the Stanza della Segnatura, depicts Plato, Aristotle, and numerous other philosophers.

ANSWER: *The School of Athens*

[10] One of these paintings by Raphael depicts Christ reaching out to touch a goldfinch held by John the Baptist, and another of these works is noted for its two winged cherubs at the bottom.

ANSWER: Madonnas [or works depicting the Virgin Mary]

8. Many of these works begins with the phrase, "Thus have I heard," and the Dunhuang Manuscript of one of these works is the oldest complete printed book. FTPE:

[10] Identify these religious texts whose varieties include the Diamond, Lotus, and Heart.

ANSWER: sutras

[10] Sutras are central to the Mahayana form of this religion, whose adherents follow the Four Noble Truths espoused by its founder Siddhartha Gautama.

ANSWER: Buddhism

[10] The Lotus and Heart sutras deal with the identity of Avalokitesvara, who belongs to this group of enlightened beings that put off nirvana in order to help others along the Eight Fold Path.

ANSWER: bodhisattvas

9. The exclamation "O tempora! O mores!" is found in one of this man's orations. For 10 points each:
[10] Name this Roman statesman and orator who was executed in 43 BC by Mark Antony for delivering a series of fourteen speeches in the style of Demosthenes known as the *Philippics*.

ANSWER: Marcus Tullius Cicero

[10] Mark Antony was a member of the second one of these alliances of three men. The first one of these groups was formed in 60 BC and consisted of Julius Caesar, Pompey, and Crassus.

ANSWER: triumvirates [or triumviratus]

[10] Cicero also delivered some speeches against this Roman politician, who died in 62 BC at the Battle of Pistoria after organizing an unsuccessful plot to overthrow the Roman Republic.

ANSWER: Catiline [or Lucius Sergius Catilina]

10. Stephane Mallarme, a practitioner of this art, described it as "chance defeated word by word." FTPE:

[10] What type of writing provides the title of a Marianne Moore work that begins, "I, too, dislike it"?

ANSWER: poetry (accept "poem," but look unhappy about it)

[10] *Poetry* Magazine, founded by Harriet Monroe, was the first to publish this T.S. Eliot poem, which begins, "Let us go then, you and I."

ANSWER: "The Lovesong of J. Alfred Prufrock"

[10] In its third issue, *Poetry* Magazine published translations of six poems by this Bengali Nobel Prize winner, author of the collection *Gitanjali*.

ANSWER: Rabindranath Tagore

11. Her father finished second to Jacques Chirac in a 2002 presidential election. For 10 points each:

[10] Name this current leader of the National Front and daughter of its founder, Jean-Marie.

ANSWER: Marine Le Pen

[10] Marine Le Pen is a politician from this country, whose last president was Nicolas Sarkozy.

ANSWER: France

[10] This current French president, a Socialist, has an approval rating of twelve percent. He had a seven-year relationship with Valerie Trierweiler after separating from his wife Segolene Royal.

ANSWER: Francois Hollande [*oh-LOND*]

12. This type of fee was eliminated in federal elections by the 24th amendment. FTPE:

[10] What two-word term is used to refer to any fee required before a person is allowed to vote?

ANSWER: poll tax

[10] Many southern states exempted from poll taxes or literacy tests the descendants of men who fought in the Civil War, leading to this term for an exemption from a new rule due to previous exemption.

ANSWER: grandfather clause

[10] The 1966 Harper case, which invalidated the last state poll tax, used as rationale the Equal Protection Clause of this amendment, which also specifies that anyone born in the US is a US citizen.

ANSWER: 14th Amendment

13. The law of multiple proportions was discovered by and is sometimes named for this man. FTPE:

[10] Name this colorblind English scientist who lends his name to the term for the atomic mass unit, and who also names a law of partial pressures that applies to non-reacting gases.

ANSWER: John Dalton

[10] This law, which can be combined with Dalton's law, states the partial vapor pressure of a compound in an ideal mixture equals the pure compound's vapor pressure times its mole fraction.

ANSWER: Raoult's law

[10] For the minimum-boiling type of these mixtures, the partial pressures of the components will be greater than predicted by Raoult's law. Their saddle type is made up of at least 3 constituents.

ANSWER: azeotropes

14. Answer some questions about an Englishman and his philosophy FTPE:

[10] Thomas Jefferson found this author of "A Letter Concerning Toleration" useful during the American Revolution, citing his labor theory of property in his original draft of the Declaration of Independence.

ANSWER: John Locke

[10] Locke argued in his *Essay Concerning Human Understanding* that experience must be imprinted on the human mind, which begins in this state.

ANSWER: tabula rasa [or blank slate]

[10] Locke wrote his *Two Treatises on Government* in response to *Patriarcha*, a work advocating absolute monarchy by this other English theorist.

ANSWER: Robert Filmer

15. The Cook Inlet is home to this state's city of Anchorage. FTPE:

[10] Name this state home to Denali National Park, whose capital is Juneau.

ANSWER: Alaska

[10] To the southwest of Alaska is this archipelago that separates the Pacific Ocean from the Bering Sea. This archipelago is split into five groups including Fox and Rat Islands, and is home to Amaknak Island.

ANSWER: Aleutian Islands

[10] To the north of Alaska is this sea that is fed by Canada's Mackenzie River. This sea is named after a naval officer who also gave his name to a scale that measures wind speed.

ANSWER: Beaufort Sea

16. An episode of *Seinfeld* entitled "The Opera" centers on attending this Leoncavallo work. FTPE:

[10] Name this opera that ends with Canio stabbing his wife Nedda and her lover Silvio.

ANSWER: Pagliacci [or Clowns; or I Pagliacci; or The Clowns]

[10] "Crazy" Joe Davola cries while bench pressing and listening to this aria on "The Opera" episode. This emotional aria is sung by Canio and has a title meaning "Put on your costume."

ANSWER: "Vesti la giubba"

[10] Another episode of *Seinfeld* centers on Elaine's attempts to replace an autographed picture of Jose Carreras, who is known as "the other guy" in this trio that includes Pavarotti and Domingo.

ANSWER: The Three Tenors

17. One character created by this author decides what to name his son after being rescued from a train crash by waving the crumpled pages of "The Overcoat." FTPE:

[10] Name this Indian author of the short story collection *Interpreter of Maladies*, who wrote about Gogol Ganguli in *The Namesake*.

ANSWER: Jhumpa Lahiri

[10] This other Indian author's novel *Golden Gate* includes an iguana named Arnold Schwarzenegger. He is more famous for a novel about Rupa Mehra's attempts to find a good husband for her daughter entitled *A Suitable Boy*.

ANSWER: Vikram Seth

[10] This Salman Rushdie novel set in India follows characters like Saleem Sinai and Shiva "of the Knees", who gain special powers after being born at the exact moment of Indian independence.

ANSWER: Midnight's Children

18. Hero of Alexandria names a form of this quantity equal to $\frac{1}{3}$ times the sum of a, b, and the square root of a times b, which is used to calculate the volume of a frustum of a cone. FTPE:

[10] Name this quantity whose arithmetic type is often used in statistics and is calculated by adding the value of several quantities and dividing by the total number of quantities.

ANSWER: mean [or average]

[10] Hero's namesake formula for calculating the area of a triangle states area equals the square root of the product of s, s minus a, s minus b, and s minus c, where s is this quantity.

ANSWER: semiperimeter

[10] You have fifteen seconds for the following bonus part. Give your answer in simplified form. An equilateral triangle whose perimeter is three has this numerical value for its area.

ANSWER: square root of three divided by four [or root three over four; accept equivalents]

19. This action led to the Second Round Table Conference between its leader and Lord Irwin. FTPE:

[10] Identify this action that involved a trek to Dandi in protest of a British monopoly on a certain spice.

ANSWER: Salt March

[10] This man led the Salt March. This proponent of Indian independence undertook many fasts and was eventually killed by Nathuram Godse.

ANSWER: Mohandas Karamchand "Mahatma" Gandhi

[10] Gandhi's policy of nonviolent resistance was key to the philosophy of this term coined by Gandhi that translates as "insistence on truth."

ANSWER: Satyagraha

20. The critic Stuart Pratt Sherman wrote that a book by this man was the "worst written great novel in the world." FTPE:

[10] Who is this author who wrote of Clyde Griffiths' execution for killing his pregnant girlfriend Roberta in his novel *An American Tragedy*?

ANSWER: Theodore Dreiser

[10] This other Dreiser novel, titled for the nickname of the protagonist, Caroline Meeber, depicts her rise to stardom, while her lover Hurstwood is reduced to poverty.

ANSWER: Sister Carrie

[10] *Sister Carrie* was accepted for publication by Doubleday by this editor, who himself was the author of a novel about the railroad monopolies, *The Octopus*.

ANSWER: Frank Norris