

Delta Burke 2014
Round 9

1. This nation's first leader after independence created the ideology called Nasakom, incorporating nationalism, communism, and religion. Nasakom was part of that leader's attempt to bring what he called "Guided Democracy" to this nation. On September 30, 1965, that leader of this country was deposed by a general who established the "New Order" during a period of slaughter in which half a million people were killed, as documented in the 2013 film *The Act of Killing*. Sukarno was deposed by Suharto in, FTP, what most populous Muslim country, a massive archipelago with capital at Jakarta?

ANSWER: Indonesia

2. The first member in a class of objects named for this person was discovered by Jacqueline Hewitt and has a radius proportional to $4GM$ to the one-half power. This man's namesake box, which contains photons and a clock, was used in an attempt to violate Heisenberg's uncertainty principle. This man referred to quantum entanglement as "spooky action at a distance," and he called the cosmological constant his "greatest blunder." A paper published in 1905 by this man explained Brownian motion, and he won a Nobel Prize for his explanation of the photoelectric effect. For 10 points, name this physicist who also formulated the equation E equals mc^2 .

ANSWER: Albert Einstein

3. This writer depicted the namesake character's attempt to bite Robert Browning in a fictional biography of Elizabeth Barrett's cocker spaniel. This writer translated Dostoevsky's *The Devils* for The Hogarth Press, which she founded with her husband Leonard. Another novel by this author of *Flush* chronicles the 300-plus years of the title author of "The Oak Tree" who changes from man to woman. Prior to writing *Orlando* this member of the Bloomsbury Group chronicled one day in the life of Clarissa, who learns of Septimus Smith's suicide at her evening party. FTP name this author of *Mrs. Dalloway* and *To the Lighthouse*.

ANSWER: Virginia Woolf

4. A song based on a piece from this work is entitled "Toot Toot Tootie Toot," and is found on a Duke Ellington album. The flute plays ascending sixteenth note septuplets and trills on a high F note at the beginning of a Chinese-inspired piece from this work. A miniature overture begins this work, which also includes a trepak and a piece in which the bass clarinet plays descending sixteenth notes in between four bar phrases played by the celesta [*suh-LES-tuh*]. The pieces *Arabian Dance*, *Waltz of the Flowers*, and *Dance of the Sugar Plum Fairy* are found in this work. For 10 points, name this suite named for a Tchaikovsky ballet that is often performed around Christmas time.

ANSWER: *The* Nutcracker Suite

5. In the Chinese classic *Romance of the Three Kingdoms*, Guan Yu has a famous one of these called "Green Dragon Crescent." Japanese storm god Susanoo named the one he found in the body of Yamata no Orochi "Kusanagi," or "Grass Cutter." Roland used one called Durendal, and after breaking his own, Beowulf borrows one of these from Unferth--the second one is called Hrunting. FTP, what type of weapon was given to King Arthur by the Lady of the Lake and was called Excalibur?

ANSWER: sword

6. Millon's reagent contains this element in nitric acid. In the Franck–Hertz experiment, electrons were sent through a tube filled with this element, which is also found in saturated calomel electrodes. In an anti stereospecific reaction that follows Markovnikov's rule, a cation of this element and an alkene reacts, and then a reduction occurs that creates an alcohol. Cinnabar is the sulfide of this element, which is used with silver and tin in dental amalgams. One atmosphere is equal to the pressure exerted by a column of this element 760 millimeters high. For 10 points, name this element that is a silvery liquid at room temperature and can be used in thermometers.

ANSWER: mercury [or quicksilver; or hydrargyrum]

7. Members of this organization shot and killed ten unarmed protestors during the “Little Steel Strike” on Memorial Day, 1937. Dan Rather and Mike Wallace were manhandled by members of this organization in 1968 while reporting inside a convention hall; during that event this organization was accused of precipitating a “riot” of violence, particularly against members of the Students for a Democratic Society. In a defense of this organization, Richard Daley famously misstated that its members were not meant to “create disorder . . . but to preserve disorder.” FTP seven members of what municipal security force were killed by a bomb in the Haymarket Square Incident in Illinois?

ANSWER: Chicago Police Department [or CPD]

8. This Southern author described the looming influence of Faulkner by writing that “No one wants their mule and wagon stalled on the same tracks the Dixie Limited is roaring down.” In one story this author depicted a Bible salesman whose valise [*vuh-LEES*] actually contains whiskey, pornographic playing cards, and a condom; that character, Manley Pointer, steals the artificial leg of the atheist Hulga in the story “Good Country People.” In another story the unnamed Grandmother is shot three times after reaching out in empathy toward The Misfit. FTP what Southern Gothic author of “The Life You Save May Be Your Own” also wrote “A Good Man Is Hard to Find”?

ANSWER: Flannery O'Connor

9. Molly Lambert of Grantland called it "the official theme song of pumpkin spice," and the Denver Nuggets made a parody of its music video. This song is found in between "All You Had to Do Was Stay" and "I Wish You Would" on a recent album. This song, whose music video includes ballet, break dancing, and twerking, opens with "I stay out too late, got nothing in my brain, that's what people say." Its chorus includes the lines "But the players gonna play, play, play, play, play and the haters gonna hate, hate, hate, hate, hate." For 10 points, name this song on the album *1989* by Taylor Swift.

ANSWER: "Shake It Off"

10. One member of this order created a map of China known as the “Impossible Black Tulip.” Another member of this order founded Sault Ste. Marie, Michigan and, along with Louis Joliet, mapped the northern part of the Mississippi River. This order, which was approved by the papal bull *Regimini militantis Ecclesiae*, was founded by a man who lost both his legs at the Battle of Pamplona, after which he wrote the *Spiritual Exercises*. Members of this order included Matteo Ricci and Jacques Marquette. This order of Christianity flourished in Japan during the mission of its adherent Francis Xavier. FTP, name this Catholic order founded by Ignatius of Loyola.

ANSWER: Jesuits (or Society of Jesus)

11. This structure's first known localization signal, PKKKRKV, was discovered in the Simian Virus 40 large T antigen. Transport into this organelle requires Ran, importin alpha, and importin beta. This organelle contains a structure that is home to the granular component and fibrillar center. This organelle is disassembled into vesicles after its lamina becomes phosphorylated. This organelle is surrounded by a double membrane called its namesake envelope. For 10 points, name this organelle that contains genetic material, and is found in eukaryotes but not prokaryotes.

ANSWER: nucleus

12. A man in this profession harasses the parents of a boy who has died after a car crash to get paid for an order they placed with him before the boy's death in Raymond Carver's short story "A Small, Good Thing." A war is fought by members of this profession, led by their King Picrichole [pick-ri-cole], against the grape growers of King Grandgousier in Rabelais's *Gargantua*. A nursery rhyme possibly dating to the 14th century puts a man in this profession with two others, "knaves all three." FTP the rhyme "Rub a dub dub" lumps what type of food preparer with a butcher and candlestick maker?

ANSWER: baker

13. Midge, played by Barbara Bel Geddes in this film, is designing a brassiere based on the principles of the cantilevered bridge. This movie's director makes a cameo carrying a French horn case in a shipyard just before the villain, Gavin Elster, is introduced. The protagonist falls in love with Elster's wife Madeleine, who is really being impersonated by Elster's mistress Judy. Featuring Jimmy Stewart as Scottie Ferguson, a detective who has to retire after a near fall from a building, FTP what is this Alfred Hitchcock movie about Ferguson's experience of the titular dizzying condition?

ANSWER: Vertigo

14. The day after this bill was introduced, Representative Joshua Giddings and Senator Salmon P. Chase published a response titled "Appeal of the Independent Democrats." After this act became law, Senator David Atchison led an armed mob that seized polling places at gunpoint, and this law's passage led John Brown to massacre settlers at Pottawottamie Creek. This act was designed by Stephen A. Douglas to repeal the Missouri Compromise. FTP, identify this controversial bill that would allow its two namesake newly opened U.S. territories to self-determine whether slavery would be allowed.

ANSWER: Kansas-Nebraska Act

15. This thinker contended that 20th-century man had more in common with primitive man than 18th-century man in his book *Modern Man in Search of a Soul*. This man described trying to induce hallucinations in a collection of thoughts on which he embossed the title *Liber Novus* but which was called *The Red Book* when it was published in 2009, forty-eight years after his death. This psychologist used the word "numinous" to describe the intense effects of one of his most famous concepts, which included figures like the "wise man," the animus, and the anima. FTP what psychologist broke with Freud in 1913 and posited a collective unconscious populated by archetypes?

ANSWER: Carl Jung

16. In one novel by this author, the protagonist drowns in a frozen river after spurning Harry Gordon's marriage proposal. In another of this author's books, Enid Royce leaves her husband Claude Wheeler, who later enlists in WWI. This author of *Lucy Gayheart* and *One of Ours* wrote about Alexandra Bergson in *O, Pioneers!* In another novel by this author, the French clergymen Joseph Vaillant and Jean Marie Latour travel for over a year to take over a diocese in New Mexico. This author also wrote about a character that works for Wick Cutter, marries Anton Cuzak, and is saved from a giant snake by Jim Burden. FTP, name this author of *Death Comes for the Archbishop* and *My Antonia*.

ANSWER: Willa Cather

17. Jardines del Rey is part of this country's Sabana-Camaguey archipelago, and this country lies across the Gulf of Batabano from the Isla de Juventud. This country's Sierra Maestra range contains its highest point, Pico Turquino, and its provinces include Matanzas and Pinar del Rio. This country's longest river, the Cauto, flows past this country's city of Bayamos before emptying into the Caribbean. Hispaniola is separated from this country by the Windward Passage, while the Cayman Trench is between this country and Jamaica. This country lies south of the Straits of Florida. FTP, name this Caribbean island with capital Havana.

ANSWER: Cuba

18. Following one battle at this city, the victorious commander paraphrased Caesar with the line, "I came, I saw, God conquered." This city was the site of the largest cavalry charge in history, led by Polish king John Sobieski. Following one battle, cannons captured from the defeated Ottomans were melted down into a bell for this city's St. Stephen's Cathedral. After his victory at the Battle of Mohacs [*MOH-hahch*], Suleiman the Magnificent unsuccessfully laid siege to this city. For 10 points—name this city, the capital of Austria.

ANSWER: Vienna

19. A formula for the time that a constituent remains in this substance was developed by T. F. W. Barth and is called the residence time. In an 1849 experiment, Usiglio evaporated five liter batches of this substance, samples of which can be collected using a Nansen bottle. According to a principle developed by Forchhammer, the ratio of salts in this substance is constant. Fritz Haber spent the 1920s failing to extract gold from this substance. The most abundant ions in this substance, which freezes at around 28.6 degrees Fahrenheit, are magnesium, sulfate, sodium, and chloride. For 10 points, name this type of water whose salinity is much higher than freshwater.

ANSWER: sea water [accept salt water; or ocean water; prompt on partial answer]

20. One critique of these places argues that they give people "the Cain mark on their foreheads," and calls these places "A Social Crime and Failure"; that work is by Emma Goldman. One work about these places splits one of the title concepts into Cellular, Organic, Genetic, and Combinatory varieties. It was on a tour of these places with Gustave de Beaumont that Alexis de Tocqueville gathered information for his book *Democracy in America*. Jeremy Bentham created an idealized version of these institutions called the Panopticon. FTP, name these institutions examined in Michel Foucault's *Discipline and Punish*, which are often used to hold criminals.

ANSWER: prisons (accept clear-knowledge equivalents)

Delta Burke 2014
Round 9 Bonuses

1. This character saves Jem and Scout by killing Bob Ewell in a fight. FTPE:

[10] Who is this character who leaves gifts like a spelling bee medal and gum in a tree for the Finch children?

ANSWER: Arthur "Boo" Radley (accept either)

[10] Boo Radley appears in this novel by Harper Lee.

ANSWER: To Kill a Mockingbird

[10] This mother of Zeebo in *To Kill a Mockingbird* is the Finch's housekeeper, whom Atticus taught to read.

ANSWER: Calpurnia Coleman

2. Many families leave windows open during this holiday to allow good fortune to enter. FTPE:

[10] Houses are cleaned and new clothes are purchased and worn during what Hindu Festival of Lights?

ANSWER: Diwali

[10] This is the goddess of wealth whose goodwill is sought by the lighting of lamps in Diwali.

ANSWER: Lakshmi

[10] Lakshmi is the consort of this "preserver" god of Hinduism.

ANSWER: Vishnu

3. He plagiarized a speech on eugenics from a Wikipedia article on the movie *Gattaca*, and a recent issue of *Time* magazine declared him "The Most Interesting Man in American Politics." FTPE:

[10] Name this politician whose father recently ran for US President in 2008 and 2012.

ANSWER: Rand Paul [do NOT accept "Ron Paul"]

[10] Rand Paul is a Senator from this state, which recently featured a general election between a pro-coal NRA member, and her Republican opponent, a lipless turtle named Mitch McConnell.

ANSWER: Kentucky

[10] Rand Paul succeeded this man as US Senator after he decided not to run for reelection in 2010. This man was a Major League Baseball pitcher who once threw a perfect game.

ANSWER: Jim Bunning

4. Zacharias Janssen is often considered the inventor of this object, and the bending of a cantilever allows a probe to scan an object's surface in the atomic force type. For 10 points each:

[10] Name this laboratory object often used to produce magnified images of small objects.

ANSWER: microscope

[10] The book *Micrographia* by this man was published in 1665 and demonstrated the power of the microscope. He also built a vacuum pump used by Robert Boyle in experiments.

ANSWER: Robert Hooke

[10] Betzig, Hell, and Moerner won the 2014 Nobel Prize in Chemistry for their work on this type of microscope, which is named for the phenomenon in which irradiated orbital electrons become excited, emit visible light, and then immediately relax.

ANSWER: fluorescence [accept word forms, such as fluorescent]

5. This man merged the Carlist Party with Jose Primo de Rivera's Falange [*fah-LAHN-he*] Party. FTPE:

[10] Identify this dictator who ruled Spain from 1939 until his incessantly reported death in 1975.

ANSWER: Francisco Franco Bahamonde

[10] Francisco Franco first rose to prominence while fighting in the Rif Wars against this group of indigenous Moroccan Muslims who had once ruled the Almoravid Empire.

ANSWER: Berbers (or Imazighen if they speak Berber) (cont'd next page)

[10] Franco rose to power during the Spanish Civil War thanks to his friendship with Adolf Hitler, who sent this unit composed of volunteers from the *Luftwaffe* that bombed Guernica.

ANSWER: Condor Legion

6. David Hume articulated the is-ought problem of this branch of philosophy. FTPE:

[10] Name this branch of philosophy that attempts to examine morality and determine concepts of right and wrong.

ANSWER: ethics

[10] This Dutch philosopher presented arguments “in Geometrical Order” in his book *Ethics*.

ANSWER: Baruch Spinoza

[10] This philosopher pioneered the field of meta-ethics and examined the Open Question Argument. He also coined the term “naturalistic fallacy” in his *Principia Ethica*.

ANSWER: G(eorge) E(dward) Moore

7. Some substances that exhibit this phenomenon form an eponymous Rollin film. FTPE:

[10] Name this phenomenon in which a certain type of substance exhibits frictionless flow.

ANSWER: superfluidity

[10] Superfluidity was first observed in this element near absolute zero. This lighter than air element is made by stars from hydrogen in the CNO cycle and the proton–proton chain reaction.

ANSWER: helium [or He]

[10] Regular helium transitions to superfluid helium below a point named for this letter, which also appears before "CDM" in the name of the standard model of Big Bang cosmology.

ANSWER: lambda

8. One character in this work was thrown out of heaven for flirting with the moon, while another character is trapped under a mountain by the Buddha. FTPE:

[10] Name this book in which Buddhist monk Xuanzang and the monkey king Sun Wukong travel to Vulture Peak in India to retrieve the scriptures.

ANSWER: Journey to the West (accept Monkey)

[10] This novel set in the same country as *Journey to the West* tells of 108 bandits and their fight against Fang La. Pearl S. Buck was one of the first to translate this book into English.

ANSWER: Outlaws of the Marsh (or Water Margin, or All Men Are Brothers)

[10] *Journey to the West* and *Outlaws of the Marsh* are among the Four Great Classical Novels of this country. Other novels from this country include *Romance of the Three Kingdoms*, which describes the end of the Han Dynasty.

ANSWER: China

9. This painter nicknamed his sons Velvet and Hell. For 10 points each:

[10] Name this sixteenth century Flemish painter of *Hunters in the Snow*.

ANSWER: Pieter Bruegel the Elder [or Peasant Bruegel]

[10] Pieter Bruegel the Elder painted a *Landscape with the Fall of* this mythological character, who escaped Crete, but flew too close to the sun with his wings made of wax.

ANSWER: Icarus

[10] Bruegel used the Roman Colosseum as a basis for his painting of this structure, which is mostly in ruins. The story of this building’s destruction is told in the Book of Genesis.

ANSWER: Tower of Babel

10. In one election, this man lost the vote of New York following a speech mentioning “Rum, Romanism, and Rebellion.” FTPE:

[10] Name this Republican who lost the 1884 election. This man received nicknames like “The Plumed Knight” and “The Continental Liar from the State of Maine.”

ANSWER: James G. Blaine

[10] During the 1884 election, Blaine’s supporters mocked the philanderous ways of this leader of the Mugwumps with the chant, “Ma, Ma, Where’s My Pa?” This Democrat would go on to be the only President to serve two nonconsecutive terms.

ANSWER: Stephen Grover Cleveland

[10] During his second term, Cleveland sent the Army to break up this strike led by Eugene V. Debs and the ARU that sought to get better working conditions for railroad workers and sleeping car porters.

ANSWER: Pullman Strike

11. This character narrates the lives of George and Emily Gibbs. FTPE:

[10] What generic name is given to this host of a play set in Grover’s Corners.

ANSWER: The Stage Manager

[10] The Stage Manager narrates this play by Thornton Wilder.

ANSWER: Our Town

[10] Wilder won the 1928 Pulitzer for this novel about the collapse of the title structure in Peru, as witnessed by Brother Juniper.

ANSWER: *The Bridge of San Luis Rey* [note: title must be EXACT]

12. Recent sociological and anthropological studies of this animal sport have argued it is a method of avoiding cultural authority and empowering participants. FTPE:

[10] What illegal gambling activity led to the arrest of NFL quarterback Michael Vick in 2007?

ANSWER: dog fighting

[10] Similarly cruel to dog fighting is cock fighting, which was studied by Clifford Geertz in an essay with this two-word main title, referring to a game with irrationally high stakes.

ANSWER: “Deep Play: Notes on the Balinese Cockfight”

[10] In the essay “Deep Play” Geertz exhibits this type of “description,” a term he uses to suggest the explanation of a behavior in its full cultural context.

ANSWER: “thick description”

13. A consequence of this principle is that the displaced species will either migrate or die. FTPE:

[10] Name this ecological principle developed by Gause in the work *The Struggle for Existence*.

ANSWER: competitive exclusion principle

[10] The competitive exclusion principle states similar species cannot coexist in one of these areas within a habitat. Hutchinson defined one of these areas as an “N-dimensional hypervolume.”

ANSWER: niche

[10] Joseph Connell studied the influence of competition on the distribution of *Chthamalus stellatus*, which is one of these crustaceans that are often found in intertidal zones stuck to rocks.

ANSWER: barnacles

14. Fujin and Omoikane are lesser known entities of this type. FTPE:

[10] Primordial spirits, such as Izanagi and Izanami, are among the hundreds of these entities considered sacred in an indigenous Japanese religion.

ANSWER: kami [prompt on descriptive answers]

[10] Kami are sacred to this Japanese religion, the token symbol of which are red-painted gates called Torii [*TAWR-ee-ee*].

ANSWER: Shinto (or “Shintoism,” I guess) (cont’d next page)

[10] Tsukiyomi, the god of this realm, was born from Izanagi's right eye--his sister, Amaterasu, was born from the left eye and is the principal solar goddess.

ANSWER: the moon

15. This entity's military wing, Spear of the Nation, came under fire during the Rivonia trial. FTPE:

[10] Name this South African political party currently led by President Jacob Zuma, and whose leaders have included Nelson Mandela.

ANSWER: African National Congress

[10] The African National Congress was founded in part as reaction against this system of racial segregation in South Africa that was finally ended by Willem de Klerk in the 1990s.

ANSWER: apartheid

[10] The ANC gained power in 1994 with the election of Nelson Mandela, following his release after 27 years of imprisonment, with most of that time spent on this island.

ANSWER: Robben Island

16. One composer from this country wrote a symphony that contains text from a Gestapo prison cell, and another composed *Threnody to the Victims of Hiroshima* for fifty-two strings. FTPE:

[10] Name this country where a slow dance called the polonaise [*pol-uh-NEYZ*] originated.

ANSWER: Poland [or Polska]

[10] Frederick Chopin composed the *Heroic Polonaise* in this major key signature, which has four flats. Scott Joplin's piano piece *Maple Leaf Rag* also begins in this major key signature.

ANSWER: A-flat major

[10] Works in this genre by Chopin include one that begins with the right hand playing 16th note triplets only on the black keys. Works of this type are often intended to serve as a technical study.

ANSWER: etudes

17. Lithium aluminum hydride can reduce carboxylic acids to these compounds. For 10 points each:

[10] Name these compounds that possess a hydroxyl group and are exemplified by ethanol.

ANSWER: alcohols

[10] These compounds are classified as either vicinal or geminal, depending on the location of their *two* hydroxyl groups. One example of them is ethylene glycol, which is found in antifreeze.

ANSWER: diols

[10] Another example of a diol is this compound, which is used in polycarbonate plastics, and is able to mimic estrogen. Two years ago, the FDA prohibited its use in baby bottles and sippy cups.

ANSWER: Bisphenol A [or BPA]

18. One siege of this outpost was made possible by Arthur St. Clair's refusal to defend the nearby Sugar Loaf, which was later renamed Mt. Defiance. FTPE:

[10] Name this fort that had earlier been taken by Ethan Allen and the Green Mountain Boys, with an assist from Benedict Arnold.

ANSWER: Fort Ticonderoga

[10] This general successfully regained Fort Ticonderoga for the British as part of the Saratoga Campaign, which ended with this man being defeated at Saratoga. This general was nicknamed "Gentleman Johnny" due to his penchant for enjoying the finer things even when on campaign.

ANSWER: John Burgoyne

[10] Following the American's capture of Fort Ticonderoga, this man dragged its cannons through the snow to help fortify Dorchester Heights during the Siege of Boston. This man would later serve as the first United States Secretary of War.

ANSWER: Henry Knox

19. Called the world's most active volcano since it hasn't stopped erupting since 1983, it is the home of the mythological goddess Pele and has a name meaning "spewing." For 10 points each:

[10] Name this volcano located next to Mauna Loa and whose Pu`u `O`o crater has a lava lake.

ANSWER: Kilauea [kee-lou-EY-ah]

[10] Kilauea, along with Mauna Loa and the dormant Mauna Kea, are located on this island, which is home to the city of Hilo [HEE-loh], and is sometimes called the Big Island.

ANSWER: Hawai'i

[10] Kilauea and Mauna Loa are examples of this type of volcano, whose eruptions produce basaltic lava flows. Unlike cinder cone volcanoes, they have gentle slopes.

ANSWER: shield

20. One character in this book describes laughter as "corruption of the body" after poisoning the pages of a lost Aristotle manuscript about comedy. FTPE:

[10] Name this novel in which William of Baskerville and Adso of Melk investigate a rash of deaths at a Benedictine monastery.

ANSWER: *The Name of the Rose*

[10] In this novel by the author of *The Name of the Rose*, Belbo, Diotallevi, and Casaubon fabricate a conspiracy about the Knights Templar called "The Plan."

ANSWER: *Foucault's Pendulum*

[10] This author of *The Island of the Day Before* wrote *The Name of the Rose* and *Foucault's Pendulum*.

ANSWER: Umberto Eco