

TOSSUPS – ROUND FOUR**Trevor's Trivia: Bob Selcer Memorial High School Quizbowl 2006 @ UTC**

1. (NGC/CS) As a mining engineer he spent almost two years in western Australia, often traveling by camel. The first US President with an engineering degree and first born west of the Mississippi, he was successful in every job he had before entering the White House. A humanitarian, he organized the Commission for Relief in Belgium in 1914 and was the director general of Relief for Europe in 1918. FTP name this president often blamed for worsening the Great Depression.

Answer: Herbert Hoover

2. (UNC/CS) The first step in this process is to use heat in order to break the DNA molecules down into single-stranded DNA. Once the solution has been cooled, primers are added, which then attach to the desired sequences. *Taq* polymerase is then used to replicate these desired sequences in, for ten points, which molecular biology technique that allows for the amplification of very small amounts of DNA?

Answer: PCR or Polymerase Chain Reaction

3. (UNC/JK/CS) This man was the director of Ben Folds' "Rockin' The Suburbs" music video; to repay the favor, Folds played piano on the song "Why Does This Always Happen To Me?" The Beach Boys-styled "Pancreas" is on "Straight Outta Lynwood", his album released on Sept. 26th as is "White and Nerdy" in the manner of Chamillionaire's "Ridin'." Recording his first big hit in 1979 in a bathroom at Cal Poly, he has since created five compilation albums, filmed and directed the movie *UHF*, and appeared on "The Simpsons", where he sang "Homer & Marge". FTP name this comedic accordionist, the creator of parodies like "Fat", "Eat It", and "Amish Paradise."

Answer: "Weird Al" and/or Yankovic

4. (Val/CS) He was wounded in the Battle of Athens, after joining the Royal Air Force in Nairobi. His big break came when C.S. Forester helped him anonymously publish his first work, "Shot Down Over Libya", in *The Saturday Evening Post*. His works include the screenplay adaptation for Ian Fleming's *Chitty Chitty Bang Bang*. The infamous Mrs. Trunchball was modeled after a teacher he'd suffered under as a young child. FTP, this is what author of *Matilda*, *James and the Giant Peach*, and *Charlie and the Chocolate Factory*?

Answer: Roald Dahl

5. (Sh/SK) His painting *The Lictors Returning to Brutus the Bodies of His Sons* was disparaged by Academie director J.B.M. Pierre for abandoning the pyramidal outline, while another enmity led him to do renditions of themes painted by Peyron such as *Belisarius Recognized by a Soldier Who Had Served Under Him at the Moment that a Woman Gives Him Alms*. An active participant in the French Revolution who was briefly imprisoned following the fall of Robespierre, his incarceration in the Luxembourg Palace resulted in his only landscape, *View of the Luxembourg Gardens*, and it was his Revolutionary fervor which led to some of his famous works. For 10 points name this artist of classically-themed pieces like the *Oath of the Horatii* and more modern paintings like *The Death of Marat*.

Answer: Jacques-Louis David (dah-veed)

6. (NGC/CS) Undersea microbes that produce this and acetic acid from carbon monoxide figure prominently in the new "thermodynamic" theory of the origin of life. In its purest state this gas is odorless, but sulfur compounds called mercaptans or thiols are added in commercial use to warn of leaks. Though it is largely extracted from geological deposits, it can also be harvested in the form biogas through fermentation of organic material such as manure. For ten points name this simplest hydrocarbon, a gas with formula CH₄.

Answer: Methane [accept natural gas before "simplest hydrocarbon"]

7. A handful of women and children survivors were released, as were Sam and Joe, slaves of two of the key leaders here. A similar outpost in Goliad fared even worse, falling more quickly and leading to a massacre. Constructed around 1724, it was once named Misión San Antonio de Valero, but renamed in the early 1800s by soldiers stationed there. In 1836 Texas revolutionaries used it as a fort against Santa Anna's army who were attempting to keep Texas under Mexican control. For ten points, name this place where Colonel William Travis, Davy Crockett and Jim Bowie were killed.

Answer: The Alamo

8. (NGC/CS) It is his knocking that wakes the drunken porter. The first to enter the king's bedchamber after the murder, it is he who discovers Duncan's body. Told by Ross about the murder of his wife and children, he speaks the line, "What, all my pretty chicks and their dam at one fell swoop?" FTP, name this Scottish general who slays Macbeth.

Answer: Macduff

9. (NGC/CS) The words “tote,” “goober,” and “hoodoo” have entered English by way of this language. A creole of West African languages and English, some believe its name may come from Angola, while others link it to Th. Krio language of Sierra Leone. . It lent its name to the fictitious island of a children’s TV show starring Ron and Natalie Daise. For ten points, name this language and culture found along the remote coasts of South Carolina and Georgia.

Answer: Gullah [grudgingly accept Geechee, which seldom is used to refer to the language]

10. (TV/CS) This term was derived from the Latin for “broken” and can be defined as a set for which the Hausdorff-Besicovitch dimension strictly exceeds the topological dimension. The Menger sponge, Peano curve, and Cantor set are each examples of one, while one of the earliest to be described was the Koch snowflake. FTP, what is this type of self-similar geometric object, the primary study of mathematician Benoit Mandelbrot?

Answer: fractal

11. (TV/CS) Nikola Tesla was the inspiration for this work’s protagonist since some people at the time viewed him as a being from the future that had arrived to deliver scientific advancement. In the work, the protagonist is an American, born and reared in Hartford, who awakes one morning to find himself under an oak tree when a fellow in old-time iron armor wielding a shield and spear approaches him, asking “Fair sir, will ye just?” FTP, what is this work about the time-traveling adventures of Hank Morgan by Mark Twain?

Answer: A Connecticut Yankee in King Arthur’s Court

12. (AR/JV) In one of his first essays published in 1873, “On the Uses and Abuses of History for Life,” this thinker via a cultural critique challenged the development of German Culture along Wagnerian and Schopenhauerian lines. These and other essays were collected in a work called *Untimely Meditations*. In his first work, he analyzed the Apollonian and Dionysian forms of experience through Greek Tragedy, in his *The Birth of Tragedy or the Spirit of Music*. Responsible for the Death of God concept as well as the Ubermensch, FTP name this 19th century German philosopher, author of *Thus Spake Zarathustra* and *Beyond Good and Evil*.

Answer: Friedrich Wilhelm **Nietzsche**

13. (DU/JV) This, like the desert, covers about 20% of the earth’s surface. There are three different kinds, all of which have the same basic characteristics: Low biodiversity, rocky soil, and very few trees to speak of. Not all three kinds have permafrost, though, for the alpine one is usually better drained than the Arctic and Antarctic kinds. FTP; name this biome that can also be associated with the original Blue/White dual land from *Magic: The Gathering* or a Toyota truck, which strictly speaking does not include Lambeau Field.

Answer: **Tundra** (Do not accept taiga – not even close)

14. (DU/JV) This author is also an alleged “pop star” since he released a self-titled CD which featured songs such as “976-LOVE” and “If You Believe in Love.” He also wrote some more humoristic novels such as *187 Men to Avoid: A Guide for the Romantically Frustrated Woman* with his wife in 1994. He is more famous for such novels as one about cryptography, *Digital Fortress*, and a thriller that takes place in the Vatican, *Angels and Demons*. FTP; name this author, who reused the title of that album to write a more serious work before writing his slightly more famous *The DaVinci Code*.

Answer: Dan **Brown**

15. (MSU/SK) Madeleine Albright recounts in her memoirs a conversation with this person in which Albright expressed surprise that two people who “have the same father” could vary so much politically, a reference to Albright’s father Josef Korbel having been a great influence during this person’s Ph.D. studies at Denver. A professor of public policy at Stanford whose tenure as provost saw a miraculous repair of a multi-million dollar budget deficit, her expertise in foreign affairs made her the logical choice to serve as National Security Advisor until a vacancy allowed her to move into her current office. For 10 points name this person, who succeeded Colin Powell to become Secretary of State.

Answer: Condoleezza **Rice**

16. (NGC/CS) His first complete song, “Hagar’s Lament,” led him to be tutored (as were Beethoven, Liszt, and Meyerbeer) by opera composer Antonio Salieri. He wrote the operas “The Devil’s Pleasure Castle” and “Alfonso and Estrella,” but the majority of his works were Lieder or art songs, including “The Trout.” FTP, name this Austrian composer whose Symphony No. 8 in B minor is called “The Unfinished Symphony.”

Answer: Franz **Schubert**

17. (UNC/CS) Strictly a scalar quantity with no direction, it is equal to the change in kinetic energy or the dot product of force and displacement. It is energy transferred to or from an object by means of a force acting on the object. If energy is transferred to the object it is positive, and if energy is transferred from the object it is negative. For ten points, name this value which can be measured in ergs and joules.

Answer: Work

18. (DU/JV) As with Jews and gypsies, Hitler made it a point to persecute believers of this group because of their pacifistic attitudes and governmental neutrality. Other beliefs of this group include the nonexistence of the Holy Trinity and Hell, believing in signs that human-kind is in "the last days," and most notably, the abstaining of celebrating holidays and birthdays, as well as not accepting blood, even in times most dire. FTP, name this group founded by Charles Taze Russell in the early 1870's who publish the *Watchtower* and *Awake!* Magazines.

Answer: Jehovah's Witnesses

19. (DU/JV) This novel was originally just a short story, though it eventually became the book's first chapter entitled "Battle Royal". Some have claimed that the book is a semi-autobiography, inspired by the author's own struggles against racism in America. After going to college, the protagonist and title character meets characters like Ras the Exhorter, modeled on Marcus Garvey, and Brother Jack, leader of the Brotherhood. FTP; name this novel about a nameless black man who lives underground, a novel by Ralph Ellison.

Answer: Invisible Man (sorry, but DO NOT accept THE Invisible Man, a different work by H.G. Wells)

20. (UNC/CS) One of its minor causes was a dispute over control of Flanders, a region of Belgium. Notable battles include the naval conflict of Sluys, the Battle of Crecy, which marked the oncoming death of chivalry, and the Battle of Agincourt, which was one of England's final victories before the appearance of Joan of Arc. Name, FTP, this war between England and France that actually lasted for 116 years.

Answer: The Hundred Years' War

21. (UNC/CS) Modern studies of this compound have shown that its carbon-carbon bonds are of equal strength and distance, but the structure proposed for it by Friedrich August von Kekule is still useful as a simplified version. First isolated by Faraday, it has a sweet smell, is colorless, and highly flammable. It was once added to gasoline, but since then has been proven to be carcinogenic. Uses of it include being the precursor of dyes, perfumes, plastics, and drugs. FTP name this organic, aromatic hydrocarbon with formula C_6H_6 .

Answer: Benzene

22. (Val) He began his career as a teacher while painting post-impressionist works like "The Red Mill" and "Tree in Moonlight", depicting landscapes of Holland. He moved to Paris in 1912, where he met Picasso and Braque. With the influence from Picasso and cubist works, he progressed to non-representational paintings, which he called composition, consisting of rectangular forms of red, yellow, blue, or black, separated by thick, black, rectilinear. FTP, name this artist of "Broadway Boogie Woogie".

Answer: Piet Mondrian

1. (JK) **WARNING: PENCIL AND PAPER READY.** You have a circuit with a 10 volt source and two resistors both measuring one ohm. For ten points each, answer the following. You have 10 seconds per part.

A. What is the total resistance of the two resistors if they are in series?

Answer: 2 ohms (1 ohms + 1 ohms = 2 ohms)

B. What is the total resistance of the two resistors if they are in parallel?

Answer: 1 ohm (1 over sum of the reciprocals, or $1 / [(1 / 2 \text{ ohms }) + (1 / 2 \text{ ohms })] = 1 / 1 \text{ ohm } = 1 \text{ ohm })$

C. Now, change one of the resistors so that you have a two ohm resistor and a three ohm resistor instead of a pair of two ohm resistors. If the resistors are in parallel, what is the voltage drop across the two ohm resistor?

Answer: 10 volts (the voltage drop across parallel branches is the same, so all 10 volts are dropped)

2. (TV/CS) Stuff about the epic of *Beowulf*, FTPE:

[10] The mighty Beowulf saves Hrothgar's kingdom from this misunderstood monster, slaying both him and his mother.

Answer: Grendel

[10] Beowulf was the king of these people of modern-day Sweden sometimes referred to as the East Danes.

Answer: Geats

[10] This nephew of Beowulf [and *not* Chuck Norris, as two teams claimed when this question was read in Chattanooga last weekend] helps our hero in his final quest of slaying the dragon.

Answer: Wiglaf

3. (TV/CS) You probably drink them at least once a day, but how well do you know your carbonated beverages? Identify the following soft drinks from clues, FTSNOP:

[5] For five, spinoff varieties of this highly caffeinated PepsiCo product include Livewire, Code Red, and Baja Blast.

Answer: Mountain Dew

[10] For ten, first introduced in Norway by the Coca-Cola Company in 1996 to compete with Mountain Dew, this "extreme" drink's US manufacturing was eventually discontinued. Disappointed fans can take some solace in the new, somewhat similar replacement, Vault.

Answer: Surge

[15] For fifteen, fans of *Futurama* should be able to tell you that this soft drink is Fry's favorite beverage. Produced on the planet Wormulon, its logo bears some resemblance to that of Surge.

Answer: Slurm

4. (AR/JV) We got into it with Spain, it was complicated, but we are still speaking. Name these things about the Spanish-American War, FTPE.

(10) The event that triggered the war was this event on February 15th, 1898 off the coast of Havana which led to the death of 266 crewmen. Despite inconclusive evidence and his own disinclination towards war, President McKinley acquiesced to public opinion.

Answer: Sinking of the USS Maine (please accept reasonable equivalents)

(10) The largest naval engagement of the war was this battle on May 1st 1898, in the Philippines; Commodore Dewey defeated the Spanish contingent in a matter of hours.

Answer: Battle of Manila Bay (do not accept Battle of Manila, a separate engagement occurring on land)

(10) On December 10th, 1898 this treaty was signed which gave the Philippines, Guam and Puerto Rico to the U.S. and Cuba was granted independence.

Answer: Treaty of Paris

5. (UNC/CS) A picture is worth a thousand words, right? FTPE, name these scientific analysis techniques that produce pretty graphs:

This procedure (and art) measures the intensity of electromagnetic energy versus the wavelength

Answer: spectroscopy or spectrometry

Drip-drip-drip! We're slowly adding acid (or base) and plotting pH to find an equilibrium constant.

Answer: titration

Data is sorted into bins by size, and a proportional plot of bin vs. data points in bin is generated.

Answer: histogram [prompt on bar chart, of which histogram is the proportional type]

6. (TV/CS) Adherents of this, the largest non-Christian religion in Jamaica, call marijuana the "wisdom weed." FTPE:
[10] What is this ideology which holds that the righteous will return to Mount Zion in Africa?

Answer: Rastafarianism

[10] Rastas hold that this man and former emperor of Ethiopia is Jah, the living God incarnate and black Messiah.

Answer: Haile Selassie I

[10] Perhaps one of the best known Rastas was this dreadlocked singer of "I Shot the Sheriff" and "No Woman No Cry."

Answer: Bob Marley

7. (UNC/CS) FTPE, name these Romantic poets from works.

10: "Don Juan" (*rhymes with "new one"*), "She Walks in Beauty"

Answer: George Gordon, Lord Byron

10: "Ode: To a Nightingale," "On First Looking Into Chapman's Homer"

Answer: John Keats

10: "Rime of the Ancient Mariner," "Dejection: An Ode"

Answer: Samuel Taylor Coleridge

8. (SG/CS) F5PE or 30 for all 5, given the Latin name for an element, give its modern name:

a. Ferrum

Answer: **Iron**

b. Aurum

Answer: **Gold**

c. Natrium

Answer: **Sodium**

d. Hydrargyrum

Answer: **Mercury**

c. Stibium

Answer: **Antimony**

9. (AR/JV) Given the country and office name the current holder of that office for 5 pts. each or 30 for all 5 correct:

(5) Mexico, President (but only until December)

Answer: Vicente **Fox** Quesada

(5) Russia, President

Answer: Vladimir **Putin**

(5) India, Prime Minister

Answer: Manmohan **Singh**

(5) China, President

Answer: **Hu Jintao**

(5) Japan, Emperor

Answer: **Akihito**

10. (NGC/CS) Given a Roman deity, name his or her Greek counterpart, for ten points each.

A) Diana

Answer: Artemis

B) Minerva

Answer: Athena

C) Vulcan

Answer: Hephaestus

11. (UNC/CS) Given a 19th century Senator, name his state of representation FTPE.

10) John C. Calhoun

Answer: South Carolina

10) Stephen A. Douglas

Answer: Illinois

10) Hiram K. Revels, the first African-American to serve in the U.S. Senate

Answer: Mississippi

12. (UNC/CS) Given the nickname of the college football rivalry game, name both schools who compete in the contests, 5 pts. per school:

5/5: The Red River Shootout.

Answers: Texas & Oklahoma

5/5: The Iron Bowl.

Answers: Alabama & Auburn

5/5: The Battle of I-25.

Answers: New Mexico & New Mexico State

13. (MSU/SK) Identify the composers of these operas on a 10-5 basis.

1. (10 points) *Rienzi*, *The Flying Dutchman*, and *Tristan und Isolde*

(5 points) *Parzifal*, *Tannhäuser*, and *Lohengrin*

Answer: Richard Wagner

2. (10 points) *Moses in Egypt*, *Cinderella*, and *Otello* [not to be confused with Verdi's opera of the same name]

(5 points) *William Tell* and *The Barber of Seville*

Answer: Gioacchino Rossini

3. (10 points) *Sappho* and *Gallia*

(5 points) *Romeo and Juliet* and *Faust*

Answer: Charles Gounod

14. (UNC/CS) Given some information about it, identify the genetic disease for ten points each.

This autosomal dominant disease occurs because of amplification of a trinucleotide repeat, CAG. Symptoms of the disease do not arise until later in life. Folksinger Woody Guthrie was perhaps the most famous person to die of it.

Answer: Huntington's disease [accept Huntington's chorea]

This disease is seen in males who have the genotype XXY; they are typically sterile and have somewhat feminized bodies.

Answer: Klinefelter's syndrome

Mothers who have children later in life run a greater risk of their children having this disease which results in symptoms such as mental retardation and a broad face; it is also known as trisomy 21.

Answer: Down's syndrome

15. (AR/SK) A reviewer of this book on Amazon.com found that it was "long, wordy, at times bombastic, with far too many 'O Lost's' ", a reference to the phrase that was originally to be its title. Introducing the character of Eugene Gant growing up in "Altamont", it is a thinly veiled autobiography of its author's childhood in Asheville. For 10 points each:

1. Name this novel.

Answer: Look Homeward, Angel

2. Name the author of *Look Homeward, Angel*.

Answer: Thomas Wolfe

3. This sequel to *Look Homeward Angel* subtitled "A Legend of Man's Hunger in his Youth" follows Eugene/Wolfe to Harvard and his subsequent life in New York and Europe looking for answers.

Answer: Of Time and the River

16. (NGC) For ten points each, name these types of medication, all with the prefix "anti-".

a) This drug, such as Benadryl, is used to control symptoms of allergic reactions, such as runny nose, itching, or rash. This drug often makes the taker become drowsy.

Answer: Antihistamine

b) This type of drug is used to minimize redness and swelling. The non-steroidal variety includes drugs such as aspirin and naproxen, whereas the steroidal type includes such drugs as prednisone.

Answer: Anti-inflammatory

c) This type of drug, which thins the blood and prevents blood clots, is used to treat some patients who experience heart attacks and other heart and lung problems. One example of this drug is called Coumarin when used for treating humans, or Warfarin when used in rat poison.

Answer: Anticoagulant

17. (MSU/SK) Identify the following countries based on islands in their possession, 10 points each.

1. This European nation exercises control over Martinique and Tahiti

Answer: France

2. Along with Bouvet Island this country controls Svalberd, which came into its possession by means of the Svalberd Treaty signed by Haakob VII, grandfather of this country's current king Harald V.

Answer: Norway

3. Along with the Brothers and Abd al Kuri this nation owns Socotra in the gulf of Aden, both brought under this country when it united with its northern neighbor to form one country with capital at Sana.

Answer: Yemen

18. (NGC/CS) Sadly, not all housing is equal. For ten points each, identify these areas which have developed somewhat derogatory associations.

a) As a noun, this is the term for a heavily populated area of a city characterized by poverty and poor housing. As a verb, it has come to mean to do something considered beneath one's station.

Answer: Slum

b) Originally, it meant a section of town in which Jews were compelled by law to live.

Answer: Ghetto

c) Referring to an apartment building, this type of house meets only the minimum standards of sanitation, safety and comfort.

Answer: Tenement House

19. (UNC/CS) Where was Dr. Phil when England needed him? FTSNOP, answer the following about the wives of Henry VIII:

(5/15) Five for one or 15 for both, name the two wives he did have executed.

Answer: Anne Boleyn, Catherine Howard

(15) For 15 points, name Henry's third wife, believed to be his one true love, who died of complications after childbirth.

Answer: Jane and/or Seymour

20. (AR/JV) The Newly Dead Game! Name these African winners of Nobel Prizes for Literature FTPE.

(10) This recently-deceased Egyptian, the 1988 winner, is famous for his Cairo Trilogy which follows the al-Jawad family.

Answer: Naguib Mahfouz

(10) The most recent African winner was in 2003 for this South African who wrote *In the Heart of the Country*, *Waiting for the Barbarians*, and *The Life and Times of Michael K*.

Answer: J. M. Coetzee [pronounced *coot-zer*, but be lenient]

(10) The first African to win was this Nigerian playwright who won in 1986 for plays like *Death and the King's Horseman* and *A Play of Giants*.

Answer: Wole Soyinka

21. (SG/SK) 1. Given the African nation name its capital, 10 points each.

1. Rwanda

Answer: Kigali

2. Sudan

Answer: Khartoum

3. Mozambique

Answer: Maputo