

TOSSUPS – ROUND NINE**Dennis Haskins Open High School Quizbowl 2006 -- UT-Chattanooga**

Questions by Dren Rollins with Illinois, Georgia Tech, Shorter, Georgetown College, Florida State, Villanova, David Moore, Dave Leach, Quentin Roper, Michael Bentley, John Kilby, Seth Kendall, and Charlie Steinhice

1. It was facilitated on one side by the destruction of an army in Santo Domingo by yellow fever, and on the other by the brief withdrawal of the right of deposit at New Orleans that had been guaranteed by Pinckney's Treaty of 1795. Roger Livingston and James Monroe handled the negotiations with Charles Maurice Talleyrand. The constitutionality of it bothered Jefferson himself as well as some of his Federalist opponents, but the result was the largest addition of land to the US. FTP, identify the name given to the dirt-cheap acquisition of land from France in 1803.

Answer: Louisiana Purchase

2. Technically this term does not apply to tricyclic antidepressants or anticonvulsants, but it does apply to methadone, opium, and nonsteroidal anti-inflammatory drugs. Functional examples include local anesthetics such as benzocaine and novocaine, and the narcotic type work by affecting the central nervous system while the non-narcotic examples act by inhibiting the synthesis of prostaglandins. Its most widely available members include paracetamol, ibuprofen, and aspirin. FTP, identify this class of drugs that relieve pain without causing the loss of consciousness.

Answer: Analgesic [prompt on painkillers – see 1st clue]

3. (QR/CS) He wrote detailed studies of such literary figures as Baudelaire and Flaubert. Other works include the short story collection *Intimacy* and his first novel, *Nausea*. His *Les Mouches*, or *The Flies*, tells the story of Orestes avenging Agamemnon's death. Refusing a Nobel Prize in 1964, FTP name this French existentialist, author of *Being and Nothingness* and *No Exit*.

Answer: Jean-Paul Sartre

4. (QR) Those indirectly killed by him include Blitzerman, Gamma Jack, and Gazerbeam. He told his former idol, "You're weak, and I have outgrown you." Slighted by his idol at a young age, he became a rich arms dealer and used his wealth to develop the Omnidroid, though it was his cape that eventually did him in. FTP, name this high tech super villain, whose real name is Buddy Pine, the arch-nemesis of *The Incredibles*.

Answer: Syndrome (accept Buddy and/or Pine early)

5. (GT) While at work on his somewhat illegal and secretive task he is baited by Shamballat the Horonite, and in his brief absence the prophet Malachi chastises the temple priests until his return. He had gone back to Susa after two years in his home town, where he had been given permission to go by Artazerxes whose cupbearer he had been to restore the tombs of his family, and he was there when Ezra gave a reading of the laws of Moses back to the people while engaged in his secret task. FTP name this prophet whose book follows that of Ezra in the Ketuvim or "Histories" of the Jewish bible most famous for furtively restoring the walls of Jerusalem.

Answer: Nehemiah

6. (QR) His first attempt at elected office was in 1978 for the US House of Representatives, though it didn't help that then Governor Ronald Reagan supported another candidate in the primary. It did not deter him, as 16 years later he defeated Ann Richards for the Governorship of his own state, Texas. He won re-election in 1998 but did not finish his term, as he found another job. FTP who gained a much higher office in 2000 after a dispute over confusing ballots in a state governed by his brother Jeb?

Answer: George W. Bush (prompt on George Bush, accept equivalents as long as knowledge is shown that it *isn't* George H.W. Bush)

7. She dreams of doing "something splendid" although she doesn't know what, but she is "on the watch for it." The second of four children, she longs to make her fortune through writing. When her father falls ill during battle, she sells her hair to help pay some of the family's mounting debts. FTP, name this tomboyish member of the March family, considered by many to be the most autobiographical character in Louisa May Alcott's *Little Women*.

Answer: Jo or Josephine March

8. It was originally published as an anagram for a Latin phrase meaning, “as the extension, the force.” It is used to describe simple harmonic motion, and shows that, in conditions where it applies, the object will be moving fastest at its original location. It implies that the mass is constantly being forced toward equilibrium. Discovered in 1678 by its namesake English scientist, FTP, identify this law that states that within the elastic limit, strain is proportional to stress.

Answer: Hooke's Law

9. (DM) Its composer said that the second movement was a study for a later work that would be based on “The Song of Hiawatha,” but the piece was never written. The composer said he composed the work as original themes “embodying the peculiarities of the Indian Music.” Despite all this, most music critics agreed that it was reminiscent more of the folk music of the composer’s native Bohemia. FTP, what is the popular title of this orchestral work, the 9th Symphony of Antonín Dvořák?

Answer: **New World Symphony** or **From the New World** (accept **9th Symphony** before last sentence.)

10. (SK) He had a variety of names because those who worshipped him never wished to address him by his correct one lest he appear; one meant “The Rich One” because all the mineral treasures of the earth belong to him. His hospitality was well-known, since the door to his realm was always open, but usually entered at the price of never being allowed to leave. After his abduction of the maiden Kore she married him but changed her name to “She Who Destroys” or Persephone. With a proper name meaning “The Unseen One” due both to his famous helmet of invisibility and because most mortals do not see him in their lifetime, FTP name this Brother of Zeus and Poseidon, known also as Ploutos and thus called Pluto by the Romans, the Greek god of the Dead.

Answer: Hades [accept Pluto before it’s said]

11. This was a result of the Tsar’s determination to conquer the Baltic Coast, an ancestral quest that began with Ivan III. Beginning with a disastrous defeat at Narva in 1700, in which the Tsar himself fled from the battlefield, it was virtually concluded with a decisive Russian victory at Poltava in 1709, which cemented Russian supremacy in northeastern Europe for the next 280 years. FTP, name this conflict, ended with the Treaty of Nyquist in 1721, which saw the Russians under Peter the Great defeat the forces of Charles XII of Sweden.

Answer: The Great Northern War

12. It can cause your body temperature to be high. It can cause you to lose weight despite an increased appetite. Your hands may appear red and moist or a loss of skin pigmentation. It can also cause a rapid pulse, which normally appear as heart palpitations. Each year over 275,000 people are diagnosed with it. FTP, name this disorder caused by an overproduction of a major growth hormone in which 80% of diagnosed cases is caused by Graves’ Disease.

Answer: Hyperthyroidism [accept **Graves’ Disease** before it’s said, though they’re not identical]

13. (IL) This story is supposedly translated from the manuscripts of Benengeli. Altisidora mocks the title character’s concept of romantic love, while the Duke and Duchess play pranks on him for their entertainment. The disappearance of Dapple the donkey troubles several characters including Teresa, the wife of Dapple’s owner. The title character rides the slow and faithful Rocinante, and the strong Christian ethic of his assistant Sancho Panza serves to guide him. FTP, name this novel about a guy who fights windmills and really wants to be a knight, written by Miguel de Cervantes.

Answer: Don Quixote

14. (DM) In 2005, analysis of the water content of this river was used to estimate that cocaine use in the region is between 27 and 30, 100 miligram doses per day for every 1000 young adults. It’s extensive tributary system has allowed the region to become the industrial heart of Italy. It is connected to Milan via a series of canals that Da Vinci helped to design. FTP, name this river, which flows for 652 kilometers across northern Italy, while flowing through Turin, and eventually emptying into the Adriatic Sea near Venice.

Answer: **Po River**

15. (DM) Studio work on this album began in 2002 with producer, John Brion. The unfinished tracks were leaked to the Internet in 2003, and recording halted. But the artist eventually went back to finish the album, this time with a new producer, Mike Elizondo, who played bass on the artist’s previous album, *When the Pawn....* Tracks like “Not this Love” and “Please Please Please” were drastically reworked. Only two songs, including the title track, survived untouched from the Brion sessions on, FTP, this latest album from Fiona Apple.

Answer: **Extraordinary Machine**

16. (MB) The earliest known reference to them was circa 500 B.C.E. by the Indian mathematician Pingala. One of the simplest algorithms for recursively computing them has the unusual property of running in Big O of the nth one of these numbers. Another way to calculate them uses powers of phi, but it is far faster to calculate them using an array of the previous values in the series. Observed in patterns in biological structures such as pine cones and conch shells, FTP name this set of numbers named for an Italian mathematician, defined as the sum of the previous two numbers in the series.

Answer: Fibonacci numbers (or series or sequence, etc.)

17. (DR/CS) This son of Quebec natives enrolled at Columbia, but his football career was cut short by a broken leg, and he joined the Merchant Marines. Other works besides his novels include a volume of poetry, *Mexico City Blues*, and a book describing his dreams logically titled *The Book of Dreams*. *Desolation Angels*, *Big Sur*, and *The Subterraneans* are novels by, FTP, this leader of the Beat movement and author of *The Dharma Bums* and *On the Road*.

Answer: Jack Kerouac

18. (DR/CS) He was influenced by Pissarro and had a brief impressionist period, including his *House of the Hanged Man*, but he was less preoccupied with transitory light and gravitated toward a more structured approach. *The Railway Out*, *The Black Clock*, and *The Boy with the Red Vest* are among his paintings, and his work influenced the creators of cubism. Noted for painting still lifes with apples and views of *Mont-Sainte-Victoire* FTP, name this French post-impressionist painter of *The Card Players*.

Answer: Paul Cézanne

19. (Sh) Most of its history was peaceful until an ethnic military leader named Samuel Doe led a coup d'etat in 1980, which triggered the country's recent tumultuous history. The most recent leader to be deposed was Charles Taylor, who flew into exile in Nigeria in late 2003. This country is unique among African nations in that it was originally settled by freed slaves from the United States. These former slaves became a power elite over the native Africans by the time the republic was established in 1874. FTP, what is this west African nation, whose capital is Monrovia?

Answer: Liberia

20. (DR/CS) When mixed with iron oxide it forms the welding compound thermite. Once very valuable, its cost was greatly reduced by the advent of the Hall-Heroult process to extract it. First isolated by Hans Oersted in 1825, it develops its own oxide when exposed to air, so that the metal does not tarnish or rust. The most abundant element in the earth's crust, FTP, identify this light metal, with atomic number 13 and symbol Al.

Answer: Aluminum

21. (DL) It has been in almost continuous publication since 1785, when it was founded as *The Daily Universal Register*. It is notable as the first newspaper to dispatch war correspondents to cover armed conflicts. Competition came in the 1850s in the form of *The Daily Telegraph* and *The Morning Post*, but it still has the widest readership of any British newspaper. FTP identify this publication, widely considered the United Kingdom's newspaper of record, which in 1931 created its namesake New Roman font that now ships with most word processors.

Answer: London Times (Times of London)

22. (DM) Born in 1806 in Mulhausen, Germany, this man first gained notoriety in the engineering world with the design of a suspension aqueduct across the Allegheny Mountains. His day job was the production of wire rope, a product that he used in all of his designs. A bridge he designed and that is now named after him, spans the Ohio River at Cincinnati, and was the world's longest suspension bridge until the completion of his last project. FTP, name this man who designed the Brooklyn Bridge, but died of Tetanus in 1869 during its initial construction.

Answer: John Augustus Roebing.

1. (QR) 5-10-20-30, what bone in the human body is:

The long bone of the upper arm

Answer: **Humerus**

The shoulder bone

Answer: **Scapula**

The hip bone

Answer: **Pelvis**

The top bone in the spinal column

Answer: **Atlas** vertebra

2. (IL) Name these poems of Alfred, Lord Tennyson, FTPE.

[10] In this poem characterized by a rhythm evoking the galloping of horses, Tennyson praised the sacrifice of the “noble six hundred” British cavalrymen who died at Balaclava during the Crimean War.

Answer: “The **Charge of the Light Brigade**”

[10] Declaring that the cessation of new experiences terminates existence, the speaker of this dramatic monologue departs Ithaca for a final voyage resolved “to strive, to seek, to find, and not to yield.”

Answer: “**Ulysses**”

[10] The titular action of this poem is a metaphor for the transition from life to death, a natural event likened to the ebb and flow of the tide.

Answer: “**Crossing the Bar**”

3. (QR) For ten points each, give the number of the amendment to the US Constitution that...

a. Authorized income tax

Answer: **Sixteenth** Amendment

b. Forbade the forced quartering of troops by the government.

Answer: **Third** Amendment

c. Gave the District of Columbia electoral votes.

Answer: **Twenty-Third** Amendment

4. (DM) Given a piece of music featured in Disney’s *Fantasia*, name the composer FTPE.

(10) *Night on Bald Mountain*

Answer: Modest **Mussorgsky**

(10) *The Sorcerer’s Apprentice*

Answer: Paul **Dukas**

(10) *The Rite of Spring*

Answer: Igor **Stravinsky**

5. (QR) 5-10-20-30, name the state in which you would find these national parks.

Yosemite

Answer: **California**

Badlands

Answer: **South Dakota**

Carlsbad Caverns

Answer: **New Mexico**

Acadia

Answer: **Maine**

6. (DL) It's time for "NCCA Taxonomy," your favorite bonus involving college sports and zoology. Earn ten points by identifying the Atlantic Coast Conference mascot from clues about its classification, or earn five points by naming it from its school.

10: It's the only ACC mascot found in family Felidae.

5: Clemson University

Answer: **Tiger**

10: It's the only ACC mascot not found in phylum Chordata.

5: Georgia Institute of Technology

Answer: **Yellow Jacket**

10: This ACC mascot is found in order Testudines; further classification into suborder Peurodira and Cryptodira depends on the joints in its neck.

5: University of Maryland

Answer: **Terrapin**

7. (CS) Name the authors of these Pulitzer Prize winning novels FTPE:

The Color Purple

Answer: Alice **Walker**

Lonesome Dove

Answer: Larry **McMurtry**

Rabbit, Run

Answer: John **Updike**

8. (DM/CS) Answer some questions about a particular nation FTPE.

(10) Created in the aftermath of World War I, this European nation was dissolved in Jan. 1993 in a peaceful separation dubbed "the Velvet Divorce."

Answer: **Czechoslovakia**

(10) This is the collective name of the regions of Bohemia and Moravia which were occupied by Nazi Germany following the Munich Pact of 1938, approved at a conference that Czechoslovakia was not even invited to be part of.

Answer: **Sutedenland or Sudetes**

(10) This is the popular term for the time of political liberalization in Czechoslovakia from January to August of 1968 that ended with a brutal crackdown from an invading Soviet Army.

Answer: **Prague Spring**

9. Given an SI unit from science, identify the quantity being measured for the stated number of points.

5 points. Ampere

Answer: **Electric Current**

5 points. Kelvin

Answer: **Temperature**

10 points. Candela

Answer: **Luminous Intensity**

10 points. Farad

Answer: **Capacitance**

10. (Vil) Name these Renaissance figures who didn't fight Shredder in the 20th century, FTSNOP

(10) This Venetian, also referred to as *Da Cadore*, is known for works like *Assumption of the Madonna*, *St. John the Baptist*, and *Venus of Urbino*.

Answer: **Titian**

(10) Born Tommaso Cassai, this painter of such frescoes as *The Tribute Money* was given a nickname meaning "sloppy."

Answer: **Masaccio**

(10) This son of a Florentine barber is best known for three paintings depicting the Battle of San Romano.

Answer: Paolo **Uccello**

11. (DL) In a settlement with the U.S. Department of Justice, AT&T agreed in 1984 to break its local operations into seven Regional Bell Operating Companies, or "Baby Bells." In the last twenty years, though, many have merged or been acquired into other companies. Answer the following FTPE:
In 1997, NYNEX acquired Bell Atlantic; later in 2000, the combined company merged with competitor GTE and changed its name. What was the name of the resulting company, which closed a deal to buy out long distance carrier MCI in January 2006?

Answer: Verizon

Another Baby Bell bought siblings Pacific Telesis in 1997, SNET in 1998 and Ameritech in 1999. By what name was this company known until November 2005, when it acquired its former parent and changed its name to AT&T?

Answer: SBC Communications (Southwestern Bell Corporation)

This is the only one of the seven Baby Bells to exist in the same form as it took at the 1984 breakup. Other than minor independent Cincinnati Bell, it's also the only company that still carries the "Bell" name.

Answer: BellSouth

12. (FSU) FTPE, give the alternative names of these Maxwell equations.

10: This law states the divergence of the electric displacement field equals free electric charge density. It is named after the man for whom the MKS unit for magnetism is named after.

Answer: Gauss's Law

10: This law states that the curl of the electric field equals the negative time derivative of the electric flux density. It is named after the man for whom the MKS unit of capacitance is named after.

Answer: Faraday's Law of Magnetic Induction

10: This law states the curl of magnetic field strength equals the free current density plus the time derivative of the electric displacement field. It is the magnetic equivalent to Gauss's Law.

Answer: Ampere's Law

13. (GC) The world of rap music has seen myriad artists from Los Angeles and New York. Answer the following about rap musicians from the great city of Houston, Texas FTPE.

Known for repeating his cell phone number throughout his songs and his use of the chopped and screwed technique, identify the rapper whose latest release is titled "Who is...?"

Answer: Mike Jones

Born Paul Slayton, identify this "People's Champ" who recently signed with 50 Cent's G Unit record label.

Answer: Paul Wall

He has recently received criticism from his peers for his collaboration with Gwen Stefani on her song "Luxurious." Who is this artist who is apparently "Already Platinum?"

Answer: Slim Thug

14. (QR) Though he graduated as a military engineer he resigned that position and focused on writing. FTPE:

(10) Name the Russian author whose works included *Poor Folk*, *The Double*, and *Notes from the Underground*.

Answer: Fyodor Dostoevsky

(10) Dostoevsky is sometimes linked to existentialism because of the beliefs of his character Ivan, one of the title characters in this work.

Answer: *The Brothers Karamazov* (or *Bratya Karamavovy*)

(10) The title of this Dostoevsky work describes the good, honest and sympathetic protagonist Prince Myshkin.

Answer: *The Idiot* [no point in showing off your Russian here; the original Russian title was Idiot – Ed.]

15. (QR) FTSNOP answer these questions about the War of the Roses.

(5) FFPE, name the warring houses of England that fought the war, one symbolized by a red rose, the other a white one

Answer: York and Lancaster

(5) Name the last of the Yorkist kings, who served from 1483 until his ouster and death in 1485.

Answer: Richard III

(10) For 10 pts. name the battle that ended the war at which Richard III was defeated, and for another 5 pts. name the victor who succeeded him and launched his own royal house.

Answer: Bosworth Field; Henry VII or Henry Tudor (prompt on just first name)

16. (GT) Answer the following relating to aqueous solutions for 10 points each.

(10pts) This law states that the amount of gas that can dissolve in a liquid, in moles, is proportional to the partial pressure of the solute above the solution.

Answer: **Henry's Law**

(10pts) This unit of concentration is used in acid-base reactions, and measures the moles of H⁺ or OH⁻ the given solution is equivalent to.

Answer: **Normality**

(10pts) Equilibrium values are only affected by components that are either aqueous or in what other state?

Answer: **Gaseous** (accept equivalents)

17. (QR) FTPE Name these women of Jacob's family

a. His mother, the wife of Isaac

Answer: **Rebekah**

b. His daughter, who was raped by a foreigner

Answer: **Dinah**

c. The concubine who gave Jacob 2 sons, but was raped by Jacob's eldest son

Answer: **Bilhah**

18. (DM) Name these Booker Prize winners from clues FTPE

(10) This 2003 Nobel Laureate has won the Booker Prize twice, once in 1983 for *The Life and Times of Michael K*, and again in 1999 for *Disgrace*.

Answer: J(ohn) M(axwell) **Coetzee**

(10) This man won the "Booker of Booker's" in 1993, an award given to the Best Booker prize winning book from the first 25 years of the prize, for his *Midnight's Children*.

Answer: Salman **Rushdie**

(10) This man's 2002 winning book, *Life of Pi*, has garnered more financial success than many other recent winners.

Answer: Yann **Martel**

19. (QR) Given the quote and year the quote was said, name the American who said it for ten points each.

a. 1877 - "Hear me, my chiefs! I am tired. My heart is sick and sad. From where the sun now stands, I will fight no more forever."

Answer: **Chief Joseph** the Younger (Accept, but raise your eyebrows to **Hinmaton-Yalaktit**)

b. 1962 - "Do you, Ambassador Zorin, deny that the USSR has placed and is placing medium - and intermediate - range missiles and sites in Cuba? Yes or no? Don't wait for the translation. Yes or no?"

Answer: Adlai E. **Stevenson**

c. 1954 - "Let us not assassinate this lad further, senator. You've done enough. Have you no sense of decency, sir? At long last, have you left no sense of decency?"

Answer: Joseph **Welch**

20. (MB) Identify these data structures, FTPE.

[10] These consist of a head, which is the starting element, followed by a series of references to the next elements in the structure, with a tail pointing to a null object at the end.

Answer: **Linked List**

[10] This simple data structure usually contains elements of the same type, can usually be multidimensional, and its individual elements are referenced by brackets in C and Java.

Answer: **Array**

[10] This data structure contains values that are referenced using keys that are transformed into integer values by a namesake operation.

Answer: **Hash** Table

21. (GC) Identify the following about famous rivers of the world FTPE.

There are 8 rivers in the United Kingdom with this name. The most famous passes through Warwickshire and the town of Stratford.

Answer: **Avon**

This river originating at Mount Kailash in Tibet flows through the Himalayas and eventually meets with the Ganges and the Meghna rivers to form the largest river delta in the world.

Answer: **Brahmaputra**

With a source at the Great Slave Lake, this river is the second longest in North America. Identify this Canadian river that is 1738 km long and empties into the Arctic Ocean.

Answer: **Mackenzie**