

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

Questions by Oklahoma, Bevill State, North Carolina, Case Western, Georgia Tech, Florida State, Maryland, Michael Bentley, Jacob Vannucci, John Kilby, Jimmy Beilstein, Quentin Roper, Dave Leach, Bob Kilner, Carol Guthrie, and Charlie Steinhice

1. (OK) According to legend, his mother held his father captive until he agreed to marry her and he inherited the Earldom of Carrick from her. Through his father, he was the great-great-great-great-grandson of David I and he sided with Edward I against John Balliol. He assassinated his rival, John Comyn, in the church at Dumfries and was excommunicated. He was crowned king but faced failure until Edward II rose to the English throne. FTP, who is this Scottish king who secured independence from England at the Battle of Bannockburn in 1314?

Answer: **Robert I or Robert Bruce or Robert the Bruce or Robert de Brus**

2. (BK) He's not Adam Jones, but he earned himself the nickname "Pakman" while playing at St. John's. He was a McDonald's High School All-American and New York City and State player of the year as a senior. Voted the 2003-2004 NBA Defensive Player of the Year, he is better known for his actions on Nov. 19, 2004, at the Palace at Auburn Hills. Suspended for the entire 2004-2005 season for his role in the brawl, FTP name this former Indiana Pacer recently traded to Sacramento,

Answer: **Ron Artest**

3. (QR) Its emergence from the archiphallum is most pronounced in primates and Cetacean sea mammals, and it is phylogenetically one of the oldest parts of the brain. Drew Barrymore's character in *50 First Dates* and Guy Pearce's character from *Memento* both suffered damage to it, causing them to lose the ability to convert short-term into long-term memories. FTP name this structure of the limbic system, located inside the temporal lobe, which plays a part in memory and navigation.

Answer: **Hippocampus**

4. (NC) Based loosely around the revolutionary Nechayev plot of 1869, this novel explores a radical group seeking to overthrow the government and undermine the Russian church. In Book I the matriarch asserts her authority by arranging various marriages. However, her efforts are frustrated in Book II when it is revealed that Stavrogin and Marya have already secretly married. The real story, however, follows the revolutionaries and their personal struggles with religion and violence, and their plot which tragically falls apart in the end. FTP, this describes what novel, taking place in Petersburg and narrated by the mysterious Mr. Govorov, an 1871-1872 work by Fyodor Dostoevsky?

Answer: **The Devils OR The Demons OR The Possessed**

5. (JV) According to historian James Burke, One of the lesser-known consequences of this movement was the standardization of the yearly calendar for holy days and the subsequent rise of the Copernican system, ironic since it would undermine the institution that began it. Another emphasis was better education for the clergy, who had come under attack for excesses by new sects. Often associated with St. Ignatius of Loyola and his Jesuits, the Council of Trent, and the Inquisition this is, FTP, what conservative response to Luther and Calvin by the Catholic Church?

Answer: **The Counter-Reformation**

6. (JK) This idea first appeared in the 1696 work *analyse des infiniment petits pour l'intelligence des lignes courbes*. It was purchased by its namesake from its discoverer, Johann Bernoulli. The Cauchy mean value theorem is used in its most common proof. It can be repeated as long as the conditions remain satisfied, which informally include that the result is 0 over 0 or infinity over infinity. FTP, identify this rule involving differentiation in order to compute limits with indeterminate forms that is named after a French mathematician.

Answer: **L'Hôpital's rule**

7. (DL) Wilhelm was Minister of the Interior in the original Cabinet of Adolf Hitler and was sentenced to death at Nuremberg. Henry Clay was chairman of Carnegie Steel and is the namesake of one of the oldest skyscrapers in Pittsburgh. Best known, though, is Ford, who was Commissioner of Major League Baseball in the 1950s and 60s and is the namesake of an annual award given by the Hall of Fame for contributions by a broadcaster. FTP identify this common Swiss and German surname, sometimes used as a substitute for a common curse word.

Answer: **Frick**

8. (JV) He composed music set to five poems, including one by Elizabeth Barrett Browning, entitled *Sea Pictures*. He also set the poem *The Dream of Gerontius* by Cardinal Newman. He is more remembered for other works, including one of which is based on a "popular theme" the composer never revealed and one played at most graduations. FTP, name this composer of *The Enigma Variations* and *Pomp and Circumstance*.

Answer: Edward **Elgar**

9. (DL) This country changed its name in 1984; its new moniker translated into English means "the land of upright people." It was part of the Songhai Empire, but by 1896 was claimed as a French protectorate. The nation lies within the Niger River basin, though no part of that river flows within its borders. Other major rivers include the Mouhoun, or Black Volta; the Nakambe, or White Volta; and the Nazinon, or Red Volta. FTP name this west African country, formerly known as Upper Volta, with capitol at Ouagadougou.

Answer: **Burkina Faso**

10. (IL) Much of this man's can be found around Boston and Cambridge, including the Christian Science Center, the John F. Kennedy Library, and the John Hancock Tower, as well as the designs for the Green and Weisner building for his alma mater MIT. The designer of the East Wing of the National Gallery, his prestigious Pritzker Prize was awarded ten years before one of his most infamous works, the Glass Pyramid at the Louvre. FTP name this architect arguably most famous for the Rock and Roll Hall of Fame in Cleveland.

Answer: Ieoh Ming **Pei**

11. (OK) There exist three scales for measuring this property, the Allred-Rochow scale, the Mulliken scale, which is measuring using electron volts, and the Pauling scale, which assigns values ranging from 0 to 4. Francium, with a value of .7 on the Pauling scale, has the lowest value for this quantity, while fluorine, with a Pauling scale value of 3.98, has the highest. FTP, what is this property which describes the ability of an atom or element to attract an electron?

Answer: **Electronegativity**

12. (OK) The title character has relations with a number of women, including Lady Bellaston, with whom he and his faithful companion, Partridge, are boarding in London, and Mrs. Waters, whom it is later learned is Jenny Jones, the woman many thought was his mother. He also has relations with Molly Seagrim, the daughter of Black George, which results in his claiming to be the father of her child, though he later learns that he is not. FTP, these are just some of the women in the life of the title character in what novel by Henry Fielding?

Answer: *The History of **Tom Jones**, a Foundling*

13. (OK) It is believed that it may be used to "freeze" pulses of light and then to extract them later and, by rotating one, it may act as a model for a black hole, by absorbing light but not allowing it to escape. It has a particularly high optical density gradient which causes light to move through it as slow as a few meters per second. First formed in 1995 using a rubidium sample by Cornell and Weimann, this is, FTP, what state of matter named for an Indian and a German-Swiss physicist respectively?

Answer: **Bose-Einstein Condensate** [prompt on condensate – there is another kind]

14. (IL) Written by Dorman Eaton, this document was proposed first by George McClellan's running mate in the 1864 presidential election. Requiring the federal government to utilize specific competitive exams and merit as selection factors, it also created a Civil Service Commission to enforce these other provisions. Deemed necessary by President Arthur after the assassination of Garfield, FTP, name this 1883 act sponsored by an Ohio senator.

Answer: **Pendleton** Civil Service Act

15. (OK) The narrator is a lawyer with an office on Wall Street. He has three employees: Turkey and Nippers, who are both copyists, and Ginger Nut. Deciding he needs a third copyist, he hires the title character, but eventually that man refuses to work and the lawyer finds that he is living in his office. When the lawyer changes offices in order to avoid a confrontation, the title character is taken to jail, where he starves to death while the lawyer watches. FTP, so goes the plot of what Herman Melville short story?

Answer: ***Bartleby the Scrivener***

16. (JV) Its official flag is green with a white box in the top right corner with a green star in it. There have been two films filmed in it, *Angoroj* in 1964 and *Incubus*, starring William Shatner, in 1965, and it also appears in Chaplin's *The Great Dictator* and Andrew Niccol's *Gattaca*, in both cases to create a neutral cultural environment. FTP, name this invention of L. L. Zamenhof, the most widely spoken planned language.

Answer: **Esperanto**

17. (JV) In its second part, it refers to America as "Moloch," the biblical idol in Leviticus to whom the Canaanites sacrificed children. Part III is addressed to Carl Solomon and repeats the refrain "I'm with you in Rockland" alluding to a psychiatric ward the poet stayed at. Famous for an 1957 obscenity trial in San Francisco, this is, FTP, what poem that begins "I saw the best minds of my generation destroyed by madness," the most famous work of beat poet Allen Ginsberg.

Answer: ***Howl***

18. (OK) Though it had been hypothesized as early as 1932 by the Estonian astronomer Ernst Öpik, it has never been seen. Its mass is estimated at somewhere between five and 1000 Earth masses and it has been suggested that it may be effected by the approach of the star Gliese 710 in 10 million years. Theoretically it extends from about 40,000 AU from the Sun to roughly 100,000 AU, but the only object yet observed which is believed to be a part of it, 90377 Sedna, orbits between 76 and 928 AU. FTP, name this astronomical object, believed to be the source of most comets.

Answer: **Öpik-Oort Cloud**

19. (CWRU) He was married to Marie-Henriette, a Hapsburg noblewoman from Austria who bore him three daughters, Louise, Stephanie, and Clementine. Though he was a poor and unmotivated student as a child and young man, by the age of twenty, he rose to the rank of major general in his country's military, but was never in combat. Reigning from 1865 to 1909, FTP name this power-hungry and anti-democratic King of the Belgians who shared the name of his father.

Answer: **King Leopold II** (Prompt on Leopold)

20. (CWRU) Evidence for its composer's severe attention deficit disorder is often found in the fact that he would sometimes forget the guitar parts to this song and have to relearn them before going on stage, despite the fact that the introduction and refrain only uses four chords and that the "solo" is essentially an exact duplication of the vocal parts. Its lyrics are notoriously hard to understand, one reason why the carefully-enunciated cover by Amos was so popular, and Weird Al Yankovic cracked up its singer with his line that he thought it was sung with marbles in the singer's mouth. Featuring references to "a mulatto, an albino, a mosquito, my libido", FTP name this song written by Kurt Cobain, easily the most famous song and first big hit of Nirvana.

Answer: **"Smells Like Teen Spirit"**

21. (CWRU) A friend of Mark Twain and like Twain the subject of a biography by Albert Bigelow Paine, he would eventually die in the service of the United States as consul general in Ecuador, helping diplomats and businessmen escape a Yellow Fever epidemic which ended up killing him. Perhaps his most famous international exploit was his indirect involvement in the arrest of a fugitive in Spain, where according to legend someone recognized William Tweed from one of this man's many caricatures of him and extradicted him to America. FTP name this illustrator for *Harper's Weekly*, creator of the Tammany tiger, the GOP elephant, the the Democratic donkey.

Answer: **Thomas Nast**

22. (BS) A retired professor has returned to his estate to live with his beautiful young wife, Yelena. The estate originally belonged to his first wife, now deceased; her mother and brother still live there and manage the farm. His daughter is in love with the doctor who is on love with Yelena. All of this takes place in, for ten points, what play by Anton Chekhov?

Answer: **Uncle Vanya**

1. (OK) *Les Miserables* comes to a close in the tradition of many fine literary works - that is, with most of the characters dead. FTPE, name these characters based on a description of the way they die.

A. 10) He dies at peace and happy in his bed with Marius and Cosette by his side.

Answer: **Jean Valjean**

B. 10) He throws himself off a bridge after finding himself unable to either arrest Valjean or accept his innocence.

Answer: **Inspector Javert**

C. 10) This youth dies from a gunshot he receives as he is collecting unused bullets for the students at the barricade.

Answer: **Gavroche**

2. (OK) "You do know what happens when you mix acids and bases?" FTPE, identify each of the following acids from a brief description.

A. This acid is a major component of acid rain. In the lab, it is a colorless liquid with a very corrosive smell, and the fumes it gives off are sometimes seen as red or yellow. It is sometimes known by the name aqua fortis.

Answer: **Nitric Acid or HNO_3**

B. This acid is the most widely produced chemical on Earth, after water. It was most probably discovered in the eighth century by the Arabic chemist Jabir Ibn Hayyan. Today, it is often used in fertilizer manufacturing and oil refining.

Answer: **Sulfuric Acid or H_2SO_4**

C. It is notorious for being able to dissolve glass, SiO_2 , and it is used in the purification of many metals, including aluminum, uranium, and stainless steel. It is unique in that it is able to dissolve almost all inorganic oxides.

Answer: **Hydrofluoric Acid or HF**

3. (GT) Identify these early American women for ten points each.

(10) This wife of one president, and mother of another, is credited with advice that helped shape the U.S. government.

Answer: **Abigail Adams**

(10) This Shoshone guide was instrumental in the Lewis and Clark expedition.

Answer: **Sacagawea**

(10) A lay preacher, this woman was charged with antinomianism and banished by the Massachusetts Bay Colony in 1638, which led her to found Portsmouth in what soon became the colony of Rhode Island.

Answer: **Anne Hutchinson**

4. (GT) Name the artists responsible for these art hoax... er... modern art masterpieces, 10 points each.

(10) His "Fountain" is signed R. Mutt. Basically a urinal, it epitomizes the elegance of his "ready-mades."

Answer: **Marcel Duchamp**

(10) The National Gallery of Australia bought his work *Blue Poles* for 2 million dollars. It featured paint thrown at a canvass, with the eight colorful title rods put on top.

Answer: **Jackson Pollock**

(10) Sometimes called a neo-Dadaist, his *Painted Bronze* features two beer cans. Ale, actually. Ballantine, if that helps.

Answer: **Jasper Johns**

5. (GT) Name the following Beatles albums for ten points each:

1. The Beatles first album, its tracks include "Twist and Shout" and "Love Me Do" as well as the title track, which first suggests the girlfriend of song's narrator of "never even tried" before making the title request.

Answer: **Please Please Me**

2. This 1967 album includes the only Beatles instrumental track, as well as "I am the Walrus", "Fool on the Hill", and "Strawberry Fields Forever".

Answer: **Magical Mystery Tour**

3. At the very end of this album there's the brief snippet of song "Her Majesty". Other songs include "Come Together" and "Here Comes the Sun".

Answer: **Abbey Road**

6. (GT/CS) Identify these cold warriors for 10 points each.

(10) This Soviet leader was responsible for the 1968 invasion of Czechoslovakia, and although he ruled through a period of détente with the United States, his 1979 invasion of Afghanistan quickly re-soured East/West relations.

Answer: Leonid Brezhnev

(10) One of Brezhnev's predecessors, he took a hard-line stance summed up in his famed statement, "We will bury you."

Answer: Nikita Khrushchev

(10) He was involved in the leadership of Yugoslavia since 1945 and was eventually named President for life in 1974. While staunchly Socialist, he managed to remain independent of the Soviet bloc.

Answer: Marshal Josip Broz Tito

7. (OK) A number of SI derived units are named for famous scientists. FTPE, identify the following derived units from a brief description.

A. Equal to both one newton meter per second and as the sum of one volt and one ampere, this unit of power is also defined as one joule of energy per second.

Answer: Watt

B. Equivalent to the now obsolete mho unit, this unit, which measures electrical conductance, is equal to the reciprocal of the resistance measured in ohms. It is also equal to the current divided by the electrical potential difference of a device.

Answer: Siemens

C. A measure of the frequency of any periodic occurrence, this unit is equal to the inverse of a second. It is distinguished from the frequency of random events which are measured in becquerels.

Answer: Hertz

8. (NR) Creatures from Norse mythology, 10 points each:

1. Odin's eight legged horse, it never tires of carrying him between the spirit and real worlds.

Answer: Sleipnir

2. Ratatosk, the mischievous troublemaker carrying spiteful messages between the dragon Nidhoggr and the eagle Vidofnir on Yggdrasil, is one of these creatures.

Answer: squirrel

3. Gullinbursti, Frey's battle steed, was a golden one of these creatures made by the elves, while Hildisvini was another ridden by Freya. Another, Saerimnir, provides the meat eaten by the warriors at Valhalla but is made whole again every morning.

Answer: boar

9. (FSU) Answer the following bonus about 20th century American literature, FTP each:

10: This 1979 novel is told through the eyes of a Brooklyn writer named Stingo, who befriends a local Jewish man named Nathan, and the title character, who tells of her youth in pre-war Krakow and in Auschwitz.

Answer: Sophie's Choice

10: Who is the author of *Sophie's Choice*?

Answer: William Styron

10: This historical novel that won Styron the Pulitzer Prize in 1968 is based on a historical document in which the title character claims to have been religiously inspired to lead a slave revolt and slay the white race.

Answer: The Confessions of Nat Turner

10. (FSU) FTP each, identify the following things about symphonies:

10: This symphony in E flat major, which premiered in Munich in 1910, was noted for the fact that it took 850 chorus members and 171 orchestra members.

Answer: Symphony of a Thousand or Mahler's 8th Symphony

10: Who composed *The Symphony of a Thousand*?

Answer: Gustav Mahler

10: It is the nickname for Gustav Mahler's first symphony, which was taken from the title of a novel by Jean Paul.

Answer: The Titan Symphony

11. (FSU) FTPE answer the following related to the speed of light.

(10) The constancy of the speed of light was verified by this 1887 experiment, which was meant to detect the presence and properties of the medium that light waves pass through, ether.

Answer: **Michelson-Morley** experiment

(10) The Michelson-Morley experiment used this instrument, which can use interference phenomena between a reference wave and an experimental wave to determine wavelengths and wave velocities, measure very small distances and thicknesses, and calculate indices of refraction.

Answer: **interferometer**

(10) The first description of this hypothetical particle, that can travel faster than light, is attributed to Arnold Sommerfeld.

Answer: **tachyon**

12. (BS) F10PE, identify the Russian authors from works

One Day in the Life of Ivan Denisovich and *Gulag Archipelag*

Answer: Aleksandr **Solzhenitsyn**

Fathers and Sons

Answer: Ivan **Turgenev**

The Overcoat and *The Nose*

Answer: Nikolai **Gogol**

13. (MD) Find a confessional camera and expose your knowledge of reality television programs, FTPE.

[10] This FX show is a spin-off of host Morgan Spurlock's documentary, *Supersize Me*. Contestants live a different lifestyle than they're accustomed to for the title time period.

Answer: **30 Days**

[10] This Fox show mixed daredevil stunts in with business tasks as contestants vied for host Richard Branson's job as president of Virgin Worldwide.

Answer: **The Rebel Billionaire**

[10] Contestants on this summer show on Fox had to endure the constant barrage of criticism from Chef Gordon Ramsay as they fought to obtain their own restaurant.

Answer: **Hell's Kitchen**

14. (OK) FTPE, identify the following English or British monarchs, some of which may be listed only controversially.

A. At 63 years, her reign was longer than that of any other English monarch and she was proclaimed Empress of India in 1877. She was the last member of the House of Hanover and is famous for dressing only in black in mourning for her dead husband, Albert, from his death in 1861 until her death in 1901.

Answer: **Victoria**

B. Four years after his coronation, this last member of the House of Normandy or only member of the House of Valois, was seen as weak and England slipped into a period of civil war known as The Anarchy. He had succeeded his uncle, Henry I, though Henry had himself named his daughter, Matilda, as his heir.

Answer: **Stephen**

C. The granddaughter of Henry VII, two dates have been given for her succession to the throne, July 6, the day her predecessor died, and July 10, the day she was proclaimed Queen. Uncertainty about the date has led to her being known as both "The Nine Days' Queen" and "The Thirteen Days' Queen".

Answer: Lady **Jane Grey** (*accept either*)

15. Given a description of an operator in C, identify what it is. For example, if I said addition, you would say the plus sign. Five for one, ten for two, twenty for three, thirty for four.

[5] The logical or operator.

Answer: **|** (**Vertical Bar** and equivalents)

[10] A reference to a pointer.

Answer: ***** (**Asterisks** and equivalence)

[20] The first character on a line of a preprocessor directive, such as an include.

Answer: **#** (**Pound sign**)

[30] The character used to indicate the end of a statement, usually occurring at the end of a line.

Answer: **;** (**Semicolon**)

16. (CG) In the last 70 years, only 3 new families of fish have been distinguished by ichthyologists. FTPE:

a. With a name meaning "hollow spine" in Greek, this species represents the oldest known living lineage of fish, which had long been thought to be extinct until being discovered off South Africa in 1938.

Answer: **Coelacanth**

b. A new family of these fish was identified in 2005. Scientifically known as *Siluriformes*, this diverse group of fish is found in freshwater environments on all continents except Antarctica. Known for their barbels, they are one of the most important food fish around the world, and especially tasty when breaded and fried.

Answer: **Catfish**

c. This extremely rare species of shark, not discovered until the 1970s, is named for its most prominent feature, an extremely large maw with small teeth.

Answer: **Megamouth Shark**

17. (QR) None of these could be found in spaces E1 through E5. FTPE name these famous battleships:

a. This *Pennsylvania*-class was destroyed during the raid on Pearl Harbor and is now used as a memorial to the soldiers who died that day.

Answer: **USS Arizona**

b. Built with complete disregard of the Washington Naval Treaty, this massive German battleship wreaked havoc until May 1941 when a fleet of British Battleships and *Swordfish* biplanes took her down.

Answer: **Bismarck**

c. Launched in 1906, this British battleship was so revolutionary that all battleships themselves gained this nickname during most of WWI.

Answer: **HMS Dreadnought**

18. (OK) Johann Wolfgang von Goethe is arguably Germany's greatest literary mind. FTPE name these Goethe works.

A. It opens with Mephistopheles making a wager with God that he can prove the brutishness of humanity. His test is to bring about the damnation of title character, a scholar and alchemist. In the end, he is blinded by Care and his soul is carried away to Heaven, while Mephistopheles rages that he has lost.

Answer: **Faust Part I**

B. The title character moves to the fictitious village of Wahlheim where he falls in love with a woman named Lotte, who is already engaged to Albert. As he becomes more distraught over his inability to have Lotte, he borrows two pistols from Albert and kills himself.

Answer: **The Sorrows of Young Werther or Die Leiden des jungen Werther**

C. This novel, the original *Bildungsroman*, follows the title character through his youth and self-discovery, leading to an actualized adult-life as both writer and actor. A sequel to this novel tells of the title character's "Travels".

Answer: **Wilhelm Meister's Apprenticeship or Wilhelm Meisters Lehrjahre**

19. (OK) Identify each of the following South American rivers FTPE.

A. Formed at the confluence of the Grande and Paranaíba Rivers in southern Brazil, this river, which is dammed by the world's largest hydroelectric dam, the Itaipú Dam, is generally considered the second largest in South America and forms much of the border between Brazil and Paraguay.

Answer: **Paraná River or Río Paraná**

B. Forming at the confluence of the Canoas and Pelotas Rivers, this river, which shares its name with a country, combines with the Paraná River to form the Río de la Plata estuary.

Answer: **Uruguay River or Río Uruguay**

C. At 1590 miles, this river immortalized in an Enya song is one of the largest rivers in South America. A nameless tributary of this river's tributary, the Caroni River, is the site of Angel Falls.

Answer: **Orinoco River**

20. (JB) Socrates was a real pest to anyone in ancient Greece who believed to know something. For ten points each, name the Socratic dialogue, given the question to which Socrates wants to know the answer. Note that the last includes Plato's elaboration on the dialogue.

"What is piety?"

Answer: The **Euthyphro**

"Why should we care what the majority think?"

Answer: The **Crito**

"What is virtue?"

Answer: The **Meno**

21. (OK) Identify each of the following lesser-known works of Shakespeare F10PE.

A. It opens with the title character trying to answer a riddle in order to marry the daughter of the King of Antioch. When he realizes he'll be killed for knowing the truth, he flees and travels to Tarsus and Pentopolis, where he marries Thaisa. In the end, he becomes the king and he reunites with his lost daughter Marina and Thaisa, whom he believed dead.

Answer: ***Pericles, Prince of Tyre***

B. Posthumus weds Imogen, the daughter of the title king, and all hell breaks loose, with Posthumus being banished and Imogen faking her death when she learns that Iachimo plans to seduce her. There are also kidnappings, false parentages, and mistaken identities, oh my. In the end, all of the characters appear on stage and sort out the tangled mess.

Answer: ***Cymbeline***

C. The title character, generous to a fault, gives all of his possessions to his friends until he is in debt. When he turns to them for help, he is abandoned. Outside the city, he finds a treasure and gives the money to Alcibiades, who is planning to raze the city. In the end, the title character dies and he is mourned greatly in Athens, despite the earlier insults.

Answer: ***Timon of Athens***