

**TREVOR'S TRIVIA: BOB SELCER MEMORIAL HIGH SCHOOL QUIZBOWL 2001 UTC 10/13/01**  
**TOSSUPS – ROUND 10** Questions mostly by Seth Teitler of Cal-Berkeley

1. According to Herodotus he was worshipped in Egypt as one of the eight gods before the initiation of their Pantheon of twelve. Pheidippides reported that he saw him on his journey to Sparta before the battle of Marathon. His father was thought to be either Apollo or Hermes and his mother is often believed to be Dryope. His pursuit of Syrinx eventually led to the beginnings of a musical instrument named for him. His love of Echo caused her to be torn apart when some shepherds were thrown into a frenzy by his presence. In another myth he lost a musical contest with Apollo which was the indirect cause of Midas' asses' ears. FTP name this god of the forest, part man and part goat.

Answer: **Pan**

2. Catholics claimed the victims, Wilhelm Graf Slavata and Jaroslav Borzita Graf von Martinicz, were saved by angels. Protestants countered by saying they were saved by landing in a dung heap. The trouble started when the Catholic Hapsburg heir was crowned king of Bohemia and began to curtail the religious freedom of Protestants. This event took place in 1618 when a group of Czech Protestant noblemen cornered two of the king's Catholic advisers. FTP, identify this event which opened the Thirty Years' War and saw the two advisers tossed out a window of the royal palace.

Answer: first **defenestration of Prague**

3. His lesser known writing credits include the liner notes for Lotion's album *Nobody's Cool* and *Slow Learner*, a collection of stories that includes "Low-Lands," "The Secret Integration," and "The Small Rain." His first novel concerns Benny Profane, a hunter of alligators in the New York sewers and Herbert Stencil and is entitled *V*. Also known for monumental works like *Vineland*, *Mason and Dixon*, and *Gravity's Rainbow*, this is, for 10 points, what author of *The Crying of Lot 49*.

Answer: Thomas **Pynchon**

4. Blake refused to let Lonnie work on that aortal trauma from the Chicago train crash, because he was no David Ravell, and of course that angered his controlling mother. Jasmine's not a lesbian, "she's just trying to find herself", and I guess Chloe's mad that David still rejects her, even after his wife Leslie was decapitated two years ago. With all this going on, I wouldn't want to be admitted to Loma Vista Hospital. FTP, name either this fictitious soap opera which stars George McCord, or the film in which it becomes the fantasy world inhabited by a traumatized Renee Zellweger.

Answer – either *A Reason to Love* or *Nurse Betty*

5. The outer boundary of this region is sometimes called the D'' (read: D prime prime) layer, and its existence can be inferred from the abrupt disappearance of shear or S waves. Seismic tomography reveals that subducting lithosphere may reach the outer boundary of this layer. It is thought that the Earth's magnetic field is generated here by a dynamo mechanism. FTP, name this liquid, iron-rich layer of the Earth, just below the mantle.

Answer: **outer core** (prompt on **core**)

6. He wrote several plays, including *The Heiress*. He was elected to Parliament in 1761, and during the Seven Years War he stormed Valencia de Alcántara. In 1775 he was sent with reinforcements to support General Gage at Boston, returning home in disgust after witnessing the battle of Bunker Hill. In the summer of 1777 he began an ill-fated expedition; stiffened American resistance coupled with the failure of St. Leger and Howe to reach Albany led to his surrender at Saratoga. FTP name this British general.

Answer: John **Burgoyne**

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7. He died in 1964 and is buried in the Bide-a-Wee Pet Cemetery on Long Island - which is odd, because his owners never lived on Long Island. Apparently, that's where he died, and so they dumped him there because it was convenient. Some locals look upon the plucky little cocker spaniel as an outsider, but many people make the trek to the grave to plant little flags around the tomb, even if no one from the First Family ever made it. FTP, identify this dog which, as the focus of a memorable speech in 1952, saved owner Richard Nixon's political career.

Answer: Checkers

8. In a recent robbery of a pharmacy the thieves mistakenly stole oxytocin (ox-ee-TOE-sin) instead of this drug. Oxytocin induces labor and lactation, and strengthens maternal instincts, but the drug the thieves wanted is a prescription painkiller that is rapidly becoming the recreational drug of choice in rural America. An opiate-based drug made by Purdue Pharma, FTP, name this longest-lasting painkiller on the market, linked to over 120 deaths across the nation and sometimes called "hillbilly heroin."

Answer: OxyContin

9. The title character is saved from being burned at the stake by knowing when the only total eclipse of the sun in the first half of the sixth century occurred. He establishes West Point, introduces the telegraph, the telephone, steam-powered ships, and is preparing to send out an expedition to discover America, when the Launcelot-Guinevere scandal explodes. FTP, identify this Mark Twain novel about a Hartford arms factory superintendent sent back in time by a blow to the head.

Answer: A Connecticut Yankee in King Arthur's Court

10. At the age of three, on a visit to his uncle, he was kidnapped by gypsies. He submitted a review of Johnson's Dictionary of the English Language to the Edinburgh Review while working as a professor. During his time as a professor he also wrote Theory of Moral Sentiments. He postulated the theory of the division of labor and emphasized that value arises from the labor expended in the process of production. FTP, identify this Scottish author of Wealth of Nations.

Answer: Adam Smith

11. A descendant on his mother's side of William Penn, he practiced as a surgeon in the Prussian army for some years. He was the first to measure the speed of the nerve impulse, and proposed that the cochlea was responsible for the detection of differences in pitch. He invented the ophthalmoscope in 1851 and revived Young's theory of three-color vision. He also calculated the amount of energy the sun could derive from gravitational contraction. FTP, name this German namesake of a type of free energy

Answer: Hermann Ludwig Ferdinand von Helmholtz

12. First elected to the House as a Democrat in 1978, he was given a seat on the Budget Committee, where he worked secretly with House Republicans to pass President Reagan's package of tax cuts, spending cuts, and increased military spending. Later stripped of his committee assignment, he resigned his house seat in 1983, promptly won it back as a Republican, and was elected to the Senate in 1984. Higher office eluded him - his run at the Republican presidential nomination ending in a fifth place finish at the 1996 Iowa caucus - but now perhaps he has another presidency in mind - that of Texas A&M. FTP, identify this Texas senator who announced his retirement on September 4<sup>th</sup>.

Answer: Phil Gramm

13. Early influences included the poetry of Goethe, whom he met at 12, and the Schlegel translations of Shakespeare; some of his earlier works include Die erste Walpurgisnacht and an overture to A Midsummer Night's Dream. He also won fame as a conductor, conducting Bach's St. Matthew Passion for the first time in almost 80 years and reviving modern interest in Bach. FTP, name this composer of Songs Without Words, the Scotch and Italian Symphonies, and the Elijah oratorio.

Answer: Felix Mendelssohn-Bartholdi

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14. Kate Bush retells her story in the song "The Sensual World," including "how I took the kiss of seedcake back from his mouth." Born September 8, 1870, in Gibraltar to Lunita Laredo, she moved away at age 16 with her father, who had a mustache like Turko the Terrible. The next year, when she was living in Rehoboth terrace, she met a door-to-door salesman who resembled Lord Byron at Mat Dillon's; on Oct 8, 1888, they were married, and their daughter Milly was born June 15 the next year. These and other autobiographical facts are recalled on June 16, 1904, as, FTP, this modern Penelope drifts off to sleep at the end of James Joyce's *Ulysses*.

Answer: Molly Bloom (accept either name)

15. In math, the Fourier transform of the product of two functions  $f$  and  $g$  gives this combination of the Fourier transform of  $f$  and the Fourier transform of  $g$ . For two functions  $f$  and  $g$ , this function of  $t$  is defined as the integral with respect to  $s$  from negative infinity to positive infinity of  $f$  of  $s$  times  $g$  of  $s$  minus  $t$ . In biology, these folds of the cerebrum increase its surface area and are associated with more sophisticated behavior. FTP, give the common term.

Answer: **convolution**

16. Eduardo Frei, Gabriel Gonzalez Videla, Carlos Ibanez Arturo Alessandri, and Juan Antonio Rios have all served as President of this South American nation, currently headed by Ricardo Lagos. For ten points, name this nation, which in 1973 saw the overthrow of Salvador Allende by Gen. Augusto Pinochet Ugarte.

Answer: **Chile**

17. Their two EPs, *Screaming Life* and *Fopp* attracted major-label interest, but the band decided to stay true to their indie roots, signing to SST for their debut album *Ultramega OK*. Formed in 1984, this group named themselves after a noisy pipe sculpture in a local park. In 1991, a tribute to the late Mother Love Bone singer Andrew Wood was produced by band members in collaboration with members of Pearl Jam titled *Temple of the Dog*. FTP, identify this group, one of the first bands to come out of the Seattle grunge scene, fronted by Chris Cornell that released hit albums such as *Badmotorfinger* and *Superunknown*.

Answer: **Soundgarden**

18. Theoretically, it is a single layer of tissue composed of "initial cells," but it is practically difficult to separate out undifferentiated daughter cells. Originating from cells that have retained their embryonic capacity for continued replication, it provides for secondary growth in vascular plants, with its outside layer producing cork for protection and its inside layer producing secondary tissue that becomes externally, xylem and, internally, phloem. FTP identify this plant tissue, a two-layered type of lateral meristem situated between the xylem and phloem and contributing to both.

Answer: **cambium**

19. In July 2001 this city's council approved funding to retrofit all 49,000 residential streetlights from 200-watt to 100-watt fixtures. This is ironic for the self-proclaimed "Energy Capital of Canada," where recent provincial energy deregulation has produced an economic boom, since most of Canada's leading oil and natural gas producers, as well as Canada's largest coal exporter, are headquartered in the city. FTP name the fastest-growing major city in Canada, site of the 1988 Winter Olympics and the largest city of Alberta.

Answer: **Calgary**

20. He received a wound at the Battle of Lepanto that permanently crippled his left arm, and on his way home he was captured by Barbary pirates and sold as a slave, eventually becoming the property of the viceroy of Algiers. Eventually ransomed, he turned to writing, beginning with the pastoral romance *La Galatea*. One of his last works was *Novelas Ejemplares*, but he is best known for a novel detailing the exploits of a country gentleman who has read too many chivalric romances. FTP, name this author of *Don Quixote*.

Answer: Miguel de **Cervantes** Saavedra

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21. Critic Allen Tate defined it as elements that are necessary for a work to be whole or complete. He adopted the term by dropping prefixes from two terms in logic denoting literal and metaphorical meaning. In biology, it refers to any strain or interference that disturbs the function of an organism. FTP, identify the term that refers to these as well as the property that, when preceded by surface, lets some insects walk on water.

Answer: **Tension**

22. Based on the works of Theophrastus, it was first performed around 1550 near Tuscany. Brighella, who sometimes goes by the name Scapino, schemes to take advantage of his employer, Pantalone, who goes to Dottore for advice. Other characters enter into the satirical performance, often to perform acrobatics or raunchy jokes, but without the masks of the main characters, they grew less important as this Renaissance form spread throughout Europe. FTP name this style of performance, which later became Punch and Judy shows and is most famous for the mischievous masked character, Harlequin.

Answer: *Commedia dell'Arte*

23. Shortly after the end of the Civil War, he returned to inventing, and by 1866 had patented two major devices – one to put derailed train cars back on their tracks, and another called a “frog”, which allowed trains to jump from track to track and pass each other. He also invented and later standardized the railroad air brake, patented a system to bring natural gas into homes, and invented the gas meter, but it was his introduction of alternating current electricity which made him his fortune. FTP, identify this tycoon who severed all ties with his namesake Electric Company after a financial panic in 1907.

Answer: George Westinghouse



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**BONI – ROUND 10** Questions mostly by Seth Teitler of Cal-Berkeley

1. Identify the following American psychologists from clues FTPE.

a) He was the leading exponent of behaviorism after Watson. He demonstrated the fundamental principle of operant conditioning, and wrote Beyond Freedom and Dignity and Walden 2.

Answer: Burrhus Frederic **Skinner**

b) This humanist psychologist is best known for his theory of the hierarchy of needs.

Answer: Abraham **Maslow**

c) The chief architect of functionalism, his book Principles of Psychology is perhaps the most influential text in the history of psychology. He coined the term “stream of consciousness” to describe the flow of thoughts he wanted to study.

Answer: William **James**

2. Remember the guy on South Park who was thawed out after being frozen in 1996? And how worried everyone was about him handling all the changes from that primitive time? Let's make him feel at home. Given a Grammy-nominated song from 1996, name the artist F5PE:

“Gangsta’s Paradise”

Answer: **Coolio**

“One of Us”

Answer: **Joan Osborne**

“Waterfalls”

Answer: **TLC**

“Kiss from a Rose”

Answer: **Seal**

“Any Man of Mine”

Answer: **Shania Twain**

“I Can Love You Like That”

Answer: **All 4 One**

3. Name the historian from a short list of works, 10 points per answer.

A. The Economic Interpretation of the Constitution, The Economic Origins of Jeffersonian Democracy, Public Policy and the General Welfare

Charles Austin Beard

B. The Colonial Merchants and the American Revolution, 1763-1776, New Viewpoints in American History, The Rise of the City, and The Political and Social Growth of the American People 1865-1940

Arthur Meier Schlesinger

C. The Influence of Sea Power upon the French Revolution and Empire, 1793-1812, The Life of Nelson, The Interest of America in Sea Power, Present and Future

Alfred Thayer Mahan

4. Identify the following novels from working titles for 10 points, 5 if you need the author.

10) This novel focused on the Bennet family was originally titled *First Impressions*, receiving its current name when it was publication, in a revised form, in 1813.

5) Jane Austen

Answer: **Pride and Prejudice**

10) Begun in 1922, this novel was known as *Work In Progress* before its publication in 1939. The author's last novel, it presents the dreams and nightmares of the Earwicker family.

5) James Joyce

Answer: **Finnegan's Wake**

10) This novel was about to be published when Leon Uris' *Mila 18* became a bestseller, prompting the publisher to change the number in the title and thus forever alter the American lexicon.

5) Joseph Heller

Answer: **Catch-22**

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5. Answer the following questions about the human muscular system FTSNOP.

10) 5 for 2, 10 for all 3, what are the types of muscle present in humans?

Answer: skeletal or striated, smooth, cardiac

10) FFPE, what are the 2 primary proteins that make up the microfilaments responsible for muscle contraction?

Answer: actin, myosin

10) Made up from myofilaments, they are the fundamental unit of organization of skeletal or striated muscle.

Answer: sarcomeres

6. Name the following Edouard Manet works FTPE:

a. Not merely the nudity in this painting, but the hints of realistic imperfection, such as body hair, caused this 1863 work showing a reclining nude with a clothed servant behind her to be highly controversial.

Answer: OLYMPIA

b. Just as controversial was this other 1863 work, a picnic scene where the man is fully clothed, the woman fully not. It's more likely than Olympia to be shown in school texts because its side view hides the nipples.

Answer: the LUNCHEON ON THE GRASS or Le DEJEUNER SUR L'HERBE

c. Mallarme asked Manet to draw 5 illustrations for French translation of this American poem in 1875.

Answer: The RAVEN

7. Identify the following numbered laws of thermodynamics FTPE.

10) As the temperature of a substance falls to absolute zero, the entropy goes to zero, except for glasses, which have a permanent frozen-in entropy.

Answer: Third law of thermodynamics

10) Temperature is transitive. This means that if system 1 is in thermal equilibrium with system 2, and system 2 is in thermal equilibrium with system 3, then system 1 is in thermal equilibrium with system 3.

Answer: Zeroth law of thermodynamics

10) Heat is a form of energy; when this is taken into account, energy is conserved.

Answer: First law of thermodynamics

8. Name the following treaties from World War I FTPE.

a) Chief among the 5 peace treaties that terminated World War I was this treaty which embodied the results of the Paris Peace Conference of 1919.

Answer: Treaty of Versailles

b) It was signed by Soviet Russia and the Central Powers on March 3, 1918. As the representative for Russia, Trotsky was forced to accept the German ultimatum. The general armistice of November 11, 1918, forced Germany to renounce the treaty.

Answer: Treaty of Brest-Litovsk

c) This treaty was concluded in 1920 between the Ottoman Empire and the Allies. It liquidated the Ottoman Empire, and virtually abolished Turkish sovereignty.

Answer: Treaty of Sèvres

9. Name the authors of these notable novels about World War II for 10 points each:

a) *The Naked and the Dead*

Answer: Norman **Mailer**

b) *The Thin Red Line* and *From Here to Eternity*

Answer: James **Jones**

c) *The Caine Mutiny*, *The Winds of War*, and *War and Remembrance*

Answer: Herman **Wouk**

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10. Name the following Greek philosophers FTPE:

a. A member of the Eleatic School, Strabo says that the story of his death -- throwing himself into Mt. Etna -- is a myth.

Answer: **Empedocles**

b. The founder of Greek astronomy, this Milesian also founded the school of natural philosophy.

Answer: **Thales** of Miletos

c. Like Empedocles an Eleatic, this disciple of Parmenides stated paradoxes of motion that, eventually, led to the foundations of calculus.

Answer: **Zeno** of Elea

11. Apologies to any Auburn fans out there. Identify the following things about the tide FTPE.

10) These highest tides occur every two weeks at full and new Moon. They derive their name from their height, not from the season.

Answer: **spring** tides

10) The lowest tides, they occur every two weeks at first- and third-quarter Moon, when the Sun and Moon are at right angles to each other with respect to Earth.

Answer: **neap** tides

10) After the flood tide, as the tide passes the high stage and starts to fall, this tide moves out, and low-lying coastal areas are exposed again.

Answer: **ebb** tide

12. Answer the following questions on the Incan empire FTPE:

a) The favorite son of Huayna Capac, he received the kingdom of Quito. In the 1520's, shortly before the arrival of the Spanish conquerors, he invaded the domains of his half brother and made himself the emperor.

Answer: **Atahualpa**

b) Atahualpa was imprisoned and later executed by this Spaniard, who conquered the Incas and founded Lima.

Answer: Francisco **Pizarro**

c) This was the official language of the Inca empire.

Answer: **Quechua**

13. Identify the following works by Thornton Wilder FTPE.

10) Characters in this play include Emily Webb, George Gibbs, and the Stage Manager. The action takes place in Grover's Corner, New Hampshire.

Answer: **Our Town**

10) This Pulitzer-prize winning novel tells of the collapse of a bridge in Peru in 1714, causing the death of 5 people. Brother Juniper, a Franciscan friar, wonders whether it was really an accident or God's plan, and investigates the lives of the 5 people

Answer: The **Bridge of San Luis Rey**

10) This play focuses on the Antrobus family, and begins in a New Jersey suburb undergoing the prehistoric Ice Age. The Antrobus family survives the Ice Age, the Biblical flood, and a world war.

Answer: The **Skin of Our Teeth**

14. Identify the following constellations from bright stars for 15 points, 5 if you need another clue.

15) The brightest star is Hamal.

5) This zodiac constellation lies between Taurus and Pisces, and is supposed to be a ram.

Answer: **Aries**

15) The brightest star is Mirfak, the second brightest is Algol.

5) This constellation lies near Andromeda, and is the namesake of a mid-August meteor shower.

Answer: **Perseus**

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15. In a recent poll, college coaches were asked the player they would least like their son to play for. Jackie Sherrill won. Answer these questions about his coaching career FTPE.

Sherrill succeeded Johnny Majors at this school in 1977 and coached Dan Marino.

Answer: Pittsburgh

While at this school, he added to their famed "twelfth man" tradition by instituting the practice of having walk-ons from the student body in uniform and on the field for the opening kickoff.

Answer: Texas A&M (for God's sake don't accept or prompt on Texas, or there might be a war)

Currently at the school, he is that school's all time winningest coach. In an infamous episode to attempt to motivate his players early in his tenure there, Sherrill had a bull castrated at the end of a practice.

Answer: Mississippi State (again, don't accept or prompt on Mississippi, same reason)

16. Identify the following American statesmen of the 19th century FTPE.

10) A senator from the new state of Missouri, he was called "Old Bullion," and played a prominent part in the successful war on the Bank of the United States. He also drew up the Specie Circular.

Answer: Thomas Hart **Benton**

10) He became Secretary of State under Lincoln, and continued in that position under Johnson. His most important act in Johnson's administration was the purchase of Alaska from Russia in 1867.

Answer: William Henry **Seward**

10) Nicknamed "the Plumed Knight," this Representative from Maine served as Speaker of the House but narrowly lost the election of 1884 to Grover Cleveland.

Answer: James G. **Blaine**

17. FTPE, answer the following questions about statistics:

a.) This term refers to the average of the squared deviations from the mean in a set of data. The square root of this value is the standard deviation.

Answer: variance

b.) This value measures how much two variables are related. One standard way to measure this is the Pearson Product Moment. A high value does not necessarily mean causation.

Answer: correlation

c.) The standard distribution is also called this distribution, after a 19<sup>th</sup> century German mathematician.

Answer: Gaussian distribution.

18. Given an Australian state, identify its capital, 5-10-20-30.

a) South Australia

Answer: **Adelaide**

b) New South Wales

Answer: **Sydney**

c) Victoria

Answer: **Melbourne**

d) Tasmania

Answer: **Hobart**



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19. Name the chemical, 30-20-10.

(30) Like menthol and camphor, it is a terpenoid. First extracted and synthesized in 1965, its chemical formula is  $C_{21}H_{30}O_2$ , and an inert form of it, called a "metabolite," can be found in the body months after ingestion.

(20) Ingestion of it causes relaxation, increased awareness of senses, mouth dryness, temporary short-term memory loss, and an increase in happiness. However, it can be used medically, in drugs such as Marinol, to reduce nausea and pain in cancer patients.

(10) This chemical is, essentially, what gets a person "high" when he or she ingests cannabis, the plant from which this chemical derives its name.

Answer: Delta-9-Tetrahydrocannabinol or THC

20. Identify the following classic Chinese novels F15PE.

15) Considered China's greatest novel, it depicts the decline in the fortunes of the large, aristocratic Chia family.

Answer: The Dream of the Red Chamber or Dream of Red Mansions or Hung lou meng or The Story of the Stone or Shih-t'ou chi

15) This vast historical novel depicts the struggles between the contending states of the title historical period, which lasted from 220 to 265 AD.

Answer: Romance of the Three Kingdoms or San-kuo chih yen-I

21. Answer these related questions for ten points each.

a. Give the name of the computer worm that first saw media attention on July 19th after it blitzed servers with useless data and sometimes displayed the message "Hacked by Chinese."

Answer: **Code Red**

b. Code Red was reportedly named for the recently introduced cherry-flavored flanker product of what popular beverage?

Answer: **Mountain Dew**

c. Given the frequent protests against rap music, it is surprising the computer worm has not yet been blamed on the influence of the 1993 album Code Red, which features "Boom! Shake the Room", "Twinkle, Twinkle (I'm Not a Star)" and ten other tracks by what duo?

Answer: **DJ Jazzy Jeff and the Fresh Prince**

22. So it may not be a myth or legend in the truest sense. But it is an epic and that's close. Answer these questions about demons from Paradise Lost FTPE.

A) He fought Gabriel and was split in two, but recovered since he was immortal. He counsels open war while in Pandemonium.

Answer: Moloch

B) He appears twice in Paradise Lost: once advising the fallen angels not to fight again and another time during the War in Heaven when he makes puns with Satan.

Answer: Belial

C) He is the engineer of Pandemonium and he finds and mines the golden ore for the building.

Answer: Mammon