

TREVOR'S TRIVIA: BOB SELCER MEMORIAL HIGH SCHOOL QUIZBOWL 2001 UTC 10/13/01
TOSSUPS – ROUND 8 Questions mostly by Iowa and George Washington U.

1. He swept floors at New York City's Power Station recording studio before getting his big break when Billy Squier agreed to produce his demo tape. When Polygram signed him, they had him de-ethnicize the spelling of his name for the release of his band's self-titled debut album in 1984. He and his band temporarily retired in 1989 but reformed in 1992 at the height of the grunge revolution to record their fifth album, *Keep the Faith*; their latest album, *Crush*, was released in June 2000. FTP name this man, who can also be seen in the film *U-571*, and whose biggest hits include "You Give Love a Bad Name" and "It's My Life."

Answer: Jon **Bon Jovi** or John Francis Bongiovi

2. *READER: ALLOW 15 SECONDS BEFORE CALLING TIME*

Pencil and paper ready. What is the volume of dirt dug out from a 2 meters wide, 1 meter deep ditch around a building that is 20 meters on each side?

Answer: **176 cubic meters**

3. Educated at Bowdoin, he became a widower twice, as Mary Potter died in the Netherlands and Fanny Appleton burned to death in a household accident. He commemorated Appleton shortly before his death in the sonnet "Cross of Snow." While *Voices of the Night* gave him notice in the literary world, he's remembered more for collections like *Tales of a Wayside Inn*, which includes "Paul Revere's Ride." FTP, identify the first American honored in the Poet's Corner of Westminster Abbey, author of "The Courtship of Miles Standish."

Answer: Henry Wadsworth **Longfellow**

4. He used paraffin to slow the neutrons, obtained from radioactive beryllium, with which he bombarded uranium. He never returned home after going to Sweden with his family to accept the 1938 Nobel Prize in Physics, having no love for Fascism. For ten points, who led a team of scientists working in a former squash court in the basement of Stagg Field at the University of Chicago in creating the world's first self-sustaining chain reaction?

Answer: Enrico **Fermi**

5. All members of the religion must attend the Nineteen Day Feast, originally instituted by Bab. There also exist appointive institutions, such as the Hands of the Cause of God and the continental counselors who are appointed by the Universal House of Justice. There are seven temples in the world. In the temples there is no preaching as services consist of recitation or scriptures of all religions. Led by Shoghi Effendi Rabbani after his father 'Abd ol-Baha died, 'Abd had been given his position by his father, the religion's founder. For 10 points, name this now worldwide religion founded in the nineteenth century by Baha Ulla'h

Answer: **Baha'i**

6. A portion of the story concerns Goodhue Coldfield who barricades himself in an attack at the start of the Civil War and dies there. Upon hearing of their father's sparring with his slaves for sport, Henry faints but his sister, Judith, is intrigued. The main character of the story had gained his money through the dowry of his first wife whom he had left after discovering she was of African descent. His son by this marriage, Charles Bon, meets the children of the second marriage and is engaged to Judith, but Henry kill him and flees. All this occurs in a story about Thomas Sutpen as told by Rosa Coldfield and Quentin Compson. For 10 points, name this Faulkner novel whose title refers to the third son of David in the Old Testament.

Answer: **Absalom! Absalom!**

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7. From 1925-1934, he was the District Attorney for Alameda, California, and in 1938 he ran for state Attorney General as the nominee of the Republican, Democratic, and Progressive Parties. He took a step up the ladder, winning the governor's race in 1942, and would serve three terms in that position, taking time off only in 1948 to run for national office on a ticket with Thomas Dewey. FTP, identify this former vice-presidential candidate, whose backing of Eisenhower at the 1952 convention led to his appointment as Chief Justice of the Supreme Court, a position he held until 1969.

Answer: Earl **Warren**

8. They're bound by a firm but flexible pellicle rather than a cell wall, and store their food as paramylon. Freshwater creatures, they have spindle-shaped bodies and a single flagellum. FTP, name these protists, which contain chlorophyll but which also consume living cells.

Answer: **euglena**

9. It has three levels of subscribers with varying respective levels of freedom, and is divided into national and small capitalization markets. Its predecessor was the so-called pink sheets system for collecting over-the-counter stock quotations. It is considering waiving the rule which requires stocks valued under \$1 to be removed from the listing - a move which analysts say proves the weakness of the index. FTP, name this notably technology-driven stock trading system that has lost 70% of its value since hitting its peak in March of 2000.

Answer: the **NASDAQ** or the National Association of Security Dealer's Automated Quotation system

10. Most of this work was taken from a novel by Thomas Lodge subtitled *Euphues' Golden Legacie*. Silvius, a shepherd, romances Phebe while the dull-witted Audrey is romanced by Touchstone. The sons of Sir Wowland de Boys fight, but when Oliver is saved by his brother Orlando, they are reconciled. Orlando meets up with Aliena and Ganymede who turn out to be Celia and Rosalinda, the daughters of Frederick and of the Banished Duke. For 10 points, name this Shakespeare play in which everything turns out fine for the good guys, set in the Forest of Arden.

Answer: **As You Like It**

11. His unfinished operas include *The Marriage*, *Salammbô*, and *Sorochintsky Fair*. Also a prolific songwriter, his compositions of this type include *The Nursery*, *Sunless*, and *Songs and Dances of Death*. His notable opera *Khovanshchina* was finished after his death, and one of his most famous works was orchestrated from a piano piece by Ravel. For 10 points, name this Russian composer of the symphonic poem *Night on Bald Mountain*, *Pictures at an Exhibition*, and the opera *Boris Godunov*.

Answer: Modest **Mussorgsky**

12. They called themselves the Xi (pronounced Shi) and had major cities at Laguna de los Cerros and Tres Zapotes. Their city of San Lorenzo, at the center of the domain and their oldest known building site, controlled the vast flood plain area of Coatzacoalcos basin and riverline trade routes, while La Venta was the ceremonial center. Centered primarily in Tabasco and Veracruz, they are considered the mother culture in Mesoamerica. For 10 points, name this culture that flourished from 1300 BC to 600 AD, known for its monumental heads.

Answer: **Olmecs**

13. Founded in 1914 under the name "Mesaba" by Carl Wickman, it originally transported miners between Hibbing and Alice, Minnesota. Run since 1994 by Craig Lentzsch, in 1999 they re-merged with Laidlaw, and have also swallowed up Trailways and Peter Pan. FTP, name this company, which is reevaluating its security after the tragic accident when a passenger on a Chattanooga-bound bus slit the driver's throat.

Answer: **Greyhound**

14. It's an ingredient in most colas, and is also used in car polishes. Its central atom violates the octet rule. A triprotic acid, only the first ionization is commonly seen. FTP, name this weak acid, H₃PO₄.

Answer: (ortho-) **phosphoric acid**

TREVOR'S TRIVIA: BOB SELCER MEMORIAL HIGH SCHOOL QUIZBOWL 2001 UTC 10/13/01

15. After his predecessor, Omar Torrijos Herrera, died in a suspicious plane crash, he consolidated his position while at the same time acting as a highly-placed CIA operative. After a United States Marine died in his capitol city, George Bush ordered military action. Accused of drug trafficking, he was taken to the US and sentenced to 40 years in prison. FTP, name this former dictator of Panama.

Answer: Manuel Antonio **Noriega**

16. A native of Canton, Ohio, her classical training and Billie Holliday-like singing made her a sought-after session jazz vocalist, guesting with the Black Eyed Peas. After joining Epic Records, she release 1999's "On How Life Is." FTP, name this R&B artist, whose recent album "The Id" contains "Sweet Baby."

Answer: Macy **Gray**

17. His third love, Marina, becomes a widow when he succumbs to sclerosis of the heart. This comes after he learns that his first love, Tonya, has moved on in Paris. That prompted him to find a new job through his half-brother Evgraf. His second love, Lara, returns to Moscow in time to see his funeral. FTP, name the title poet and physician in Boris Pasternak's most famous novel.

Answer: Dr. Yuri **Zhivago**

18. His literary works include *The Somnambulist* and *The Spy of the Rebellion*. He is buried next to Joseph Whicher, who was killed in pursuit of Jesse James, and Kate Warn, one of the first females in his trade. Under the name E.J. Allen, he headed an organization whose purpose it was to obtain military information in the Southern states and discovered a plot to kill President Lincoln. His investigation of the Haymarket incident produced erroneous convictions, but he did crack the Molly Maguires. FTP, name this pioneering detective.

Answer: Allan **Pinkerton**

19. Warm air holds moisture better than cool air. Rising air cools and sinking air heats. The dryness of the Atacama Desert is a result of it. FTP, name this phenomenon, which explains heightened precipitation on the windward side of a mountain range.

Answer: **Rain Shadow**

20. Type IIb is a p-type semiconductor, and is almost entirely devoid of nitrogen; a negative electron affinity allows it to be a cold cathode. It's transparent to all frequencies from the deep ultraviolet to the far infrared, and is also inert to most acids and bases. On top of this, it's also the best thermal conductor, the stiffest known material, and the least compressible known material, although in theory beta-carbon nitride is harder. FTP, name this allotrope of carbon, used on the Mohs scale as the hardest mineral.

Answer: **diamond**

21. Peggy Fleming retires. Luis Alvarez wins the nobel prize in physics. Students riot in France and around the world. Czechoslovakia attempts to break out of the Soviet sphere in the Prague Spring. Richard Nixon wins the US Presidential election. FTP, name this year, in which Robert Kennedy and Martin Luther King were assassinated.

Answer: **1968**

22. A recent theory states that Van Gogh did not cut off his own ear, but rather that this fellow artist did so in a drunken fight while staying with Van Gogh. His life was given a fictional reconstruction in Somerset Maugham's *The Moon and Sixpence*. A great influence on the impressionists, FTP, identify this French artist, who spent the last years of his life in the South Pacific and painted *Tahitian Women* and *Yellow Christ*.

Answer: Paul Gauguin

23. Based on the work of Donald Knuth, it was first developed by Leslie Lamport. It is not a word processor, as it takes care of most formatting and layout jobs through simple commands written into a source code, allowing the author to focus on writing content. Very popular in the UNIX operating system, this is, FTP, what typesetting language, whose name is the same as the material from which most condoms are made?

Answer: **LaTeX**

TREVOR'S TRIVIA: BOB SELCER MEMORIAL HIGH SCHOOL QUIZBOWL 2001 UTC 10/13/01
BONI – ROUND 8 Questions mostly by Iowa and George Washington U.

1. We made sure this question wasn't in a round right after lunch. Given a description of a disease transmitted via food, water, or fecal matter, name the organism that causes it FTSNOP.

5: The most common form of this bacteria, O157:H7, contains a potent toxin that can lead to hemorrhagic diarrhea and kidney failure - so keep that in mind next time you decide to undercook your hamburgers.

Answer: *Escherichia coli*

5: The most common cause of what is called "food poisoning," this pathogen type is carried largely in eggs, poultry, meat, and dairy products, grows in the intestine and can take days before triggering symptoms, which include vomiting, chills, headaches, and diarrhea.

Answer: *Salmonella*

10: This most severe type of food poisoning - and a possible cause of SIDS - is caused when bacterial spores of the genus *Clostridium* go untreated in food processing, reproduce, and produce a highly poisonous neurotoxin.

Answer: *Botulism*

10: Mild cases can be subclinical, but severe cases can result in jaundice. A picornavirus, spread through fecal contamination of foods, causes an inflammation of the liver by infecting host cells with its positive, single-strand RNA.

Answer: *Hepatitis A* [prompt on hepatitis]

2. FTPE name the authors of these works of African-American literature:

a) A Raisin in the Sun

Answer: Lorraine **Hansberry**

b) Go Tell It on the Mountain and The Fire Next Time

Answer: James **Baldwin**

c) Invisible Man

Answer: Ralph **Ellison**

3. Let's see how well you remember certain pieces of orange or yellow card stock. F5PE, given the text of the Chance or Community Chest card from Monopoly, tell how much you'd collect or pay:

a) Bank Error in Your Favor. Collect...

Answer: \$200

b) Pay School Tax of...

Answer: \$150

c) Doctor's Fee. Pay...

Answer: \$50

d) From Sale of Stock You Get...

Answer: \$45

e) Building and Loan Matures. Collect...

Answer: \$150

f) You Have Won Second Prize in a Beauty Contest. Collect...

Answer: \$10

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4. For 10 points each, name these American Labor leaders.

(10) After serving as president of the New York State Federation of Labor and secretary-treasurer of the AFL, he organized the merger of the AFL and the CIO and served as president for 24 years.

Answer: George Meany

(10) He served as President of the UAW's General Motors Department from 1946 to 1970 while heading the CIO and working as vice president of the combined AFL-CIO from 1955 to 1967.

Answer: Walter P. Reuther

(10) This longtime head of the United Mine Workers founded the Congress of Industrial Organizations..

Answer: John L. Lewis

5. Identify the following Egyptian deities FTPE:

a) She was the chief local deity at Philae, where her companion was Arensnuphis. She is more often depicted as the wife of Osiris and mother of Horus.

Answer: Isis

b) This was the Greek name for the Egyptian god Djehuty. He was the god of wisdom, inventor of writing, patron of scribes and the divine mediator, and was most often represented as a man with the head of an ibis.

Answer: Thoth

c) He was the holy bull god of Memphis. Any bull found bearing a white triangle on its forehead and otherwise totally black, was considered to be his personification. The cult was widespread among the Greeks and Romans.

Answer: Apis

6. FTPE, name the following about Arab-English relations of the 12th century.

a) This Muslim led the ascendancy of the Ayyubids over the Fatimids, but Westerners know him as the victor at the battle of Hattin who recaptured Jerusalem from the Crusaders in 1187.

Answer: Saladin (or Salah ad-din Yusuf ibn Ayyub or al-Malik An-Nasir Salah Ad-Din Yusuf I)

b) Saladin's primary adversary in the Third Crusade was this king of England. When he took ill, Saladin sent him fresh fruit to soothe his throat.

Answer: Richard I (Richard the Lionheart or Richard Coeur de Leon)

c) Ironically, Saladin was not ethnically an Arab, but a member of this minority group, which continues to be persecuted by Arabs today, especially in northern Iraq.

Answer: Kurds

7. Note the following values. A is 2 and B is 8. FTSNOP, give the following values:

a.) (5 pts.) The arithmetic mean of A and B.

Answer: 5

b.) (5 pts.) The geometric mean of A and B.

Answer: 4

c.) (10 pts.) The harmonic mean of A and B.

Answer: 3.2

d.) (5 pts.) Log base A of B

Answer: 3

e.) (5 pts.) Log base B of A

Answer: 1/3

8. Did you ever actually read Louisa May Alcott's "Little Women"? For 5 points each, name the four March sisters.

Answers: Amy, Jo, Meg, Beth

By book's end, the three surviving sisters have each married. For 10 points, name any one of their hubbies.

Answer: any of Professor Fritz, John Brooke, or Laurie

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9. It was founded in Spain in 1933 by José Antonio Primo de Rivera. For 10 points each:

(10) Name this Fascist political party that joined forces in 1934 with a like-minded group, Juntas de Ofensiva Nacional Sindicalista and in 1937 merged with the Carlists.

Answer: Falange (also accept Phalanx)

(10) This political leader of Spain for over 35 years turned the Falange into a tool for his use and merged all other Nationalist parties into it. As Saturday Night Live's Weekend Update used to remind us, he is still dead.

Answer: Francisco Franco

(10) Gen. Queipo de Llano coined this phrase to describe the Nationalist supporters who undermined the Republican defense of Madrid. The term is now used for any clandestine subversive organization working within a country to further an invading enemy's military and political aims.

Answer: Fifth Column

10. Listen to the equation, and name the idea or law the equation relates to, FTPE.

(10) $E = \frac{1}{2}mv^2$

Answer: Kinetic Energy (accept equivalents)

(10) P is proportional to $1/V$

Answer: Boyle's Law (accept equivalents)

(10) $p + \frac{1}{2}\rho v^2 + \rho gh = \text{constant}$

Answer: Bernoulli's Equation (accept equivalents)

11. Show that you're down wit' it and name these rappers with goofy names FTPE

(10) Long hailed as the genius behind the Wu Tang Clan, this rapper's notorious run-ins with the law didn't get in the way of his success with recent hip hop tune, "Got Your Money".

Answer: **Ol' Dirty Bastard** or **ODB** or **Big Baby Jesus**

(10) The son of rapper-producer Master P, this mad rhyming 11 year old is having a great deal of recent success with his No Limit single, "My Baby".

Answer: **Lil' Romeo**

(10) The feminine-sounding nickname of this artist, whose hits include 'Country Grammar' and 'Ride Wit Me,' makes more sense when you find out his given name is Cornell Haynes, Jr.

Answer: **Nelly**

12. Identify the location given some hints FTP each.

1) With a canyon darting along the coastline, both produced by single fault in the underlying limestone bedrock, this country lies right off of the Arabian Sea.

Answer – **Oman**

2) This island hosts the extinct volcano Diamond Head, adjacent to Waikiki Beach, and the Punchbowl Cemetery.

Answer – **Oahu** (do not prompt on Hawaii)

3) This Russian peninsula is a very volcanic area and includes Geyser Valley in the Kronotsky Biospheric National Park.

Answer – **Kamchatka Peninsula**

13. Given a description of a 20th century writer, name the writer FTPE:

(10) Born in Trinidad in 1932, he is the author of *India: A Wounded Civilization*, *The Mystic Masseur*, and *A Bend in the River*.

Answer: V.S. Naipaul

(10) Born in 1867 in Agrigento, Sicily, his best-known work is *Six Characters in Search of an Author*.

Answer: Luigi Pirandello

(10) He was born in Radzymin, Poland in 1904, he continued to write in Yiddish after he emigrated to America. He won the 1978 Nobel in Literature for works like *Gimpel the Fool* and *The Magician of Lublin*.

Answer: Isaac Bashevis Singer

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14. Give the name of a chemical compound, given its formula, for 5 pts. each or 30 for all 5 correct:

a) Na_2CO_3

Answer: **Sodium Carbonate**

b) AgNO_3

Answer: **Silver Nitrate**

c) KI

Answer: **Potassium Iodide**

d) $(\text{NH}_4)_2\text{SO}_4$

Answer: **Ammonium Sulphate**

e) SnCl_4

Answer: **Tin (IV) Chloride**

15. Identify the author from works on in 30-20-10 basis.

30) The Life of Our Lord, The Battle of Life, and Our Mutual Friend

20) Martin Chuzzlewit, Hard Times, and Bleak House

10) Oliver Twist, Tale of Two Cities, and Great Expectations

Answer: Charles **DICKENS**

16. FTSNOP answer the following about the end of slavery:

a) (5) Lincoln didn't actually free all the slaves with the Emancipation Proclamation, only those in the states in rebellion. This meant slavery was still legal until the passage of this postwar Constitutional Amendment.

Answer: **13th Amendment**

b) (15) Between the Emancipation Proclamation and the 13th Amendment, slavery remained legal in five states. For 5 points each, name any 3.

Answer: Missouri, Kentucky, Maryland, Delaware, and West Virginia

c) (10) Beating Lincoln to the punch in both timeliness and quantity, in 1861 this Russian Tsar freed 47 MILLION peasants from serfdom.

Answer: **Alexander II**

17. Identify the following artists from works and the artist's given name FTPE.

(10) Born Tommaso di Giovanni di Simone Guidi, he is best known for "Expulsion from the Garden of Eden" in the Brancacci Chapel in Santa Maria del Carmine and "The Trinity" in Santa Maria Novella.

Answer: Masaccio

(10) Born Jacopo Robusti, his nickname means "Little Dyer." Works include a rendition of *The Last Supper*, *Pool of Bethesda*, *The Erection of the Brazen Serpent*, and *The Miracle of the Slave*.

Answer: Tintoretto

(10) Born with the last name Sanzio, his works include *Madonna with the Goldfinch* and *The School of Athens*.

Answer: Raphael

18. Name the following formulations of mechanics FTPE:

a. The simplest formulation, all mechanics is treated as a consequence of the relation $F = \frac{dp}{dt}$. Two other laws, defining inertia and stating the conservation of force, are also given.

Answer: **NEWTONIAN**

b. This formulation comes in two kinds: one states mechanics in terms of a system of constraining forces, the other as the change in energy of a system.

Answer: **LAGRANGIAN**

c. This system, derived from the Lagrangian, relies on a system of generalized coordinates designated \dot{p} and \dot{q} .

Answer: **HAMILTONIAN**

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19. There are 13 European cities with populations of over 3,000,000, if you count the suburbs. Some of the more obvious ones include London, Paris, and Rome. For 5 pts. each, name any 6 of the other 10.

[READER: allow 15 seconds]

Answer: any 6 of: Moscow, Istanbul, Essen, Milan, Madrid, St. Petersburg, Barcelona, Manchester, Athens, and Berlin

20. Name the following architects from buildings, for 10 points each:

(10) He designed Taliesin and Taliesin West, as well as the Imperial Hotel and the Guggenheim.

Answer: Frank Lloyd Wright

(10) He designed some raunchy chairs as well as the Cranbrook Academy of Art in Bloomfield Hills, MI. He is also known for Kresge Auditorium and chapel of the MIT and the TWA terminal at JFK airport.

Answer: Eero Saarin

(10) With Adler he designed the Guaranty Building. He also designed the Woolworth Building and the Schlesinger & Mayer (later Carson Pirie Scott & Co.) department store in Chicago.

Answer: Louis Henry Sullivan

21. Given the description, name the corresponding tempo marking in orchestral music FTPE.

A) The slowest tempo, it literally means "broadly" in Italian.

Answer: LARGO

B) A fast, brisk tempo, it literally means "happy" or "cheerful."

Answer: ALLEGRO

C) The fastest tempo marking available to composers, this term means "quickly."

Answer: PRESTO (accept "Prestissimo")

22. Given a state nickname from now or the past, give the state, 5 pts. each or 30 for all 5 correct:.

A. Yellowhammer State

Answer: Alabama

B. Ocean State

Answer: Rhode Island

C. "Old Dominion State"

Answer: Virginia

D. Nutmeg State

Answer: Connecticut

E. Gem State

Answer: Idaho