

Valencia Fall Invitational 2001

Round 9

Questions by Chris Borglum, with math help from J. Lee and science from R. Dhuwalia

1) Their major cities included Cortona, Vulci, and Clusium, and their art shows traces of other Mediterranean cultures they may have passed through before settling west of the Apennines some time after the 10<sup>th</sup> century BCE. Their last king, Tarquin, was driven out of Rome in 509 BCE. Who are these non-Italic people, FTP, who greatly influenced Roman culture before being mostly absorbed by it?

**A. Etruscans**

2) He appears in Walter Scott's novel Ivanhoe as the "holy clerk of Copmanhurst." A traditional character in medieval English May-Day plays, his costume is the russet habit of the Franciscans, with a red-corded girdle, red stockings and wallet. Usually depicted as fat and jovial, FTP, who is this vagabond friar best known from the Robin Hood ballads?

**A. Friar Tuck**

3) These compounds must not affect the solution they inhabit, and they must be able to change rapidly to be useful. Examples include thymol blue, methyl orange, methyl red, and, most famously, phenolphthalein (feen-ol-thay-leen), which is clear in acidic solutions but turns purple in a base. FTP name this type of compound, used in titration, which changes color in response to a specific change in pH.

**A. indicators**

4) Considered an omen of ill fortune, it supposedly can be seen during stormy weather off the Cape of Good Hope. Walter Scott wrote that originally it was laden with precious metal and a horrible murder occurred on it; then plague broke out among the crew, so no port would allow it to anchor. Thus it wanders endlessly. FTP this describes what ship, the title vessel of a Wagner opera?

**A. Flying Dutchman**

5) The plant disease called "curl" seriously debilitated this crop in Western Europe in the late 1600s, leading to greater hybridization. A member of the nightshade family, though it was originally brought to Europe from the New World, it wasn't cultivated in North America until Irish Presbyterians began growing it in 1719. FTP what is this tuber sometimes called the "Irish apple?"

**A. potato**

6) In 1883, it became the first nation to grant women the vote, though it didn't become fully independent until 1907. Feel free to snicker when you hear that its current Governor-General is Michael Hardie-Boys, but its real political head is Prime Minister Helen Clark. Composed of dozens of islands, its main two are separated by the Cook Strait. FTP what is this South Pacific nation with capital at Wellington?

**A. New Zealand**

7) This recent hit cost 12 times more to produce than did its 1968 film version. Max Bialystock and Leo Bloom are the title characters who figure to bilk investors by putting on the worst show ever, a musical called "Springtime for Hitler." FTP name this Mel Brooks classic which featured Nathan Lane and Matthew Broderick as the titular showmen.

A. *The Producers*

8) Trained as a doctor, during the French revolution he joined the Cordelier Club and later was elected to the National Convention. He started the radical paper "The Friend of the People," where his vicious attacks on Girondins often forced him into hiding, sometimes in the Paris sewers, leading to a nasty skin condition. This led to his need of frequent baths. FTP name this radical stabbed while soaking by Charlotte Corday.

A. Jean-Paul **Marat**

9) For ten quick and happy math points, between what two positive integers would fall the value of the square root of 160?

A. 12 and 13 (need both)

10) Sartre used this term to refer to the irresolvable paradox of the human condition, that man is condemned to be free. Kierkegaard emphasized its essentialness to Christianity, saying that rational proofs for faith are blocks to true faith. In modern literature, it was a feature of early Surrealist writings, and in theater Jean Genet and Eugene Ionesco emphasized it. FTP what is this term that denotes a fundamental lack of reasonableness, which in modern English is often used as a synonym for "ridiculous."

A. **absurd**

11) It is usually composed of three parts, the first and third of which are fast or rhapsodic, with the middle one slow and lyrical. Generally written as an extended solo composition for piano or solo instrument with piano, Mozart wrote 42 for violin. FTP what is this type of composition, the counterpart to the cantata, the name of which comes from the Italian for "sounded."

A. **sonata**

12) His son, Michael, is the current head of the Federal Communications Commission. Decorated with a Purple Heart, Bronze Star, and Distinguished Service Medal from his two stints in Vietnam, his autobiography, *My American Journey*, was a best-seller in 1993 after he retired as Chair of the Joint Chiefs of Staff. FTP who is this current Secretary of State?

A. Colin **Powell**

13) It serves as a current amplifier, and its three terminals are the collector, base, and emitter. Common types are the Bipolar Junction and Field Effect, and its semiconductor layers are arranged n-p-n or p-n-p. Invented at Bell Labs in 1947, it allowed the development of integrated circuits, and millions of them fit on a computer chip today. FTP name this circuit component which replaced the vacuum tube.

A. **transistor**

14) His father, Cecil, was England's Poet Laureate from 1968 until his death in 1972, though he lived long enough to see his 14-year old son appear in his first film, *Sunday, Bloody Sunday*. In 1997, this actor bizarrely gave up a successful film career to apprentice to a cobbler in Florence, though Martin Scorsese lured him back to star as "Bill the Butcher" in the upcoming *Gangs of New York*. An Oscar-winner for his work in *My Left Foot*, FTP who is this actor who also starred in *The Boxer* and *The Last of the Mohicans*?

A. Daniel **Day-Lewis**

15) Born in 1902, in 1964 he was banished to Turkey for denouncing his country's leader for suggesting women be allowed to vote. Later he was allowed to re-settle in Iraq, but Saddam Hussein banished him for fomenting Shi'ite unrest there in 1975. He led opposition to Reza Pahlevi from Paris until 1979, when student demonstrations deposed the Shah. FTP name this Muslim cleric who ruled Iran until his death in 1989.

A. Ayatollah Ruhollah **Khomeini**

16) He was played by Felix Aylmer in ~~the~~ the Olivier's classic 1948 version and by Ian Holm in Mel Gibson's less-classic 1990 version. He sends the minor character Reynaldo to keep an eye on his son who is off to school in Paris, a leave he describes to Gertrude and Claudius on his first appearance in Act I. Lord Chamberlain to the king, FTP who is this dispenser of the wise admonition "To thine own self be true" in Hamlet?

A. **Polonius**

17) In 1816 the U.S. government chartered the Second Bank of the United States to counter the unregulated issuance of currency by individual states. Some states continued not only to issue currency, however, but to tax national bank branches. When the Baltimore branch refused to pay, its manager sued the state. FTP this led to what landmark 1819 case in which Justice Marshall established the doctrine of "implied powers"?

A. **McCulloch v. Maryland**

18) She was a Phoenician princess, the wife of the son of Omri, an Israelite king. When her husband coveted the vineyard of Naboth, she conspired to get Naboth convicted of blasphemy and stoned to death. She incurred the wrath of Elijah by promoting the worship of Baal, and he predicted that when she died the dogs would lick up her blood. FTP name this wife of Ahab, a Biblical personification of feminine wickedness.

A. **Jezebel**

19) This animal, of genus tridactylus, is a surprisingly good swimmer. It has almost no tail or ears, and it is strictly arboreal, unable to walk on its limbs. Because of its extremely low metabolism, it sleeps 19 hours a day, often while hanging upside down. Found in tropical rainforests, FTP name this sluggish three-toed animal which would need a month to travel a single mile.

A. three-toed **sloth**

20) Four main figures stand above numerous prone bodies, some dead, some dying. One man on the left wears a stovepipe hat and holds a rifle, while a boy on the right carries two pistols, holding one aloft. The title female holds the tricolor, her left breast exposed, urging her companions on. This describes, FTP, what 1830 painting by Eugene Delacroix?

**A. Liberty Leading the People**

21) Augustus Sutter established the settlement New Helvetia in 1839 on the site that would become this city. Currently having a population of roughly 1.5 million, it is the terminus of a deep-water canal completed in 1963 to better move its extensive agricultural products to San Francisco Bay. The ending point of the Pony Express, FTP name this current home of the NBA's Kings and capital of California.

**A. Sacramento**

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1) Answer the following about the first sustained atomic chain reaction FTPE.  
This Hungarian-born physicist had first theorized that nuclear fission could produce a chain reaction capable of releasing enormous energy.

A. Leo **Szilard**

This Italian-born physicist led the project to create the reaction.

A. Enrico **Fermi**

This reaction took place under Stagg Field on the campus of what university?

A. University of **Chicago**

2) The worst tragedy in Olympics history took place when eleven Israeli athletes were killed by Palestinian terrorists. FTPE:

In what city did this take place?

A. **Munich**

In what year?

A. **1972**

What was the name of the Palestinian terrorist group that killed the eleven athletes?

A. **Black September**

3) Answer the following about a big moment in American art history FTPE.  
At what 1913 exhibition in New York City were American audiences first introduced to the works of Impressionism, Fauvism, and other modern European movements?

A. **Armory Show**

What particularly radical painting was described by a critic as “an explosion in a shingle factory”?

A. **Nude Descending a Staircase**

One of the Armory Show’s principal organizers was John Sloan, a prominent member of what New York school of realist painters?

A. **Ashcan School** (acc. The **Eight**)

4) Identify the following about Aristotle FSNOP.

(5 pts.) This was the school he established in the Grove of Apollo northeast of Athens.

A. **Lyceum**

(10pts.) Divided into two sections, tragedy and comedy, of which only the first is extant, this work defines terms like hamartia and catharsis.

A. **Poetics**

(15 pts.) Named because of the tradition that claims that his son arranged his notes after his death, in this work Aristotle discusses numerous topics, including justice, voluntary action, and intellectual virtues.

A. **Nicomachean Ethics**

5) Identify these terms from anthropology FTPE.

This is an exceptionally powerful prohibition whose violation will attract strong sanctions from the community. An example is the prohibition of Muslims from eating pork.

A. **taboo**

As in music, this term refers to a regularly reoccurring theme in a culture's folklore or art.

A. **motif**

This adjective describes a people who trace descent and kin links through females.

A. **matrilineal** (acc. matrilineage)

6) Name the authors of the following short stories on a 10-5 basis.

(10) Parker's Back; The Life You Save May Be Your Own

(5) Good Country People; A Good Man Is Hard to Find

A. Flannery **O'Connor**

(10) Big Two-Hearted River; The Short Happy Life of Frances Macomber

(5) The Snows of Kilimanjaro; A Clean, Well-Lighted Place

A. Ernest **Hemingway**

(10) Night School; A Small Good Thing

(5) Why Don't You Dance; Will You Please Be Quiet Please?

A. Raymond **Carver**

7) Name these parts of the flower, FTP each.

The male reproductive part, it produces pollen in the anther and includes the filament.

A. **Stamen**

The counterpart of the stamen, this is female reproductive part, which includes the ovary, the style, and the stigma.

A. **Pistil**

This is the collective term for the whorl of sepals which form the bud.

A. **Calyx**

8) Given one of his nicknames, name the U.S. President FFPE.

The Great Communicator

A. Ronald **Reagan**

The Red Fox of Kinderhook

A. Martin **van Buren**

Old Tippecanoe

A. William Henry **Harrison**

Handsome Frank

A. Franklin **Pierce**

Old Rough and Ready

A. Zachary **Taylor**

His Accidency

A. Millard **Fillmore**

9) Given a description, name the National Park FTPE.

The first National Park established east of the Mississippi, it's also the easternmost.

A. **Acadia**

This park covers 800,000 square acres on the border of Mexico where the Rio Grande makes a sharp turn west.

A. **Big Bend**

Known for its high cliffs and waterfalls, as well as the Hetch Hetchy Reservoir and Tuolumne meadows, this park is prominently featured in the photos of Ansel Adams.

A. **Yosemite**



10) Answer these related questions about a body of water between Europe and Asia FSNOP.

(10pts.) Now called the Dardanelles, what was the ancient Greek name for this passage, which comes from the name of the girl who fell to her death there from the golden-fleeced ram?

A. **Hellespont**

(5 pts. each) What pair of lovers drowned in the Hellespont after the male was lost in a storm and the female jumped in afterward to kill herself?

A. **Hero and Leander**

(10pts.) What Romantic poet duplicated Leander's feat of swimming across the Hellespont and later died of a fever in Greece?

A. Lord **Byron** (George Gordon)

11) Identify these Beethoven piano sonatas FTPE.

His piano sonata number eight in C minor, its grave and melancholy opening earned it this nickname, which it shares with a Tchaikovsky symphony.

A. **Pathetique**

One of the most recognizable classical music pieces, sonata number 14 in C sharp minor got its nickname from a critic who thought it evoked this shining on ocean waves.

A. **Moonlight**

Sonata number 29 in B flat major takes its name from the percussive dynamic range and epical structure.

A. **Hammerklavier**

12) FTPE provide these biology terms which all begin with the letter 'p.'

Literally meaning "cell eating," certain cells engulf food particles or other cells in this process.

A. **phagocytosis**

Meaning "false foot," it is a temporary extension used by an amoeba for eating or locomotion.

A. **pseudopod**

Also called thrombocytes, these are cell fragments in the blood which assist in clotting.

A. **platelets**

13) Identify the following Scandanavian writers FTPE.

Winner of the Nobel for Literature in 1951, this author is best known for the novels The Dwarf and Barrabbas.

A. Par **Lagerkvist**

Though he considered himself a serious dramatist and novelist, this Dane is best known to us today for his children's stories like "The Red Shoes" and "The Ugly Duckling."

A. Hans Christian **Andersen**

This Swedish dramatist wrote Miss Julie and The Ghost Sonata.

A. August **Strindberg**

14) Convert the following numbers from base ten to the given base FTPE.

- |                       |            |
|-----------------------|------------|
| 56 base 10 to base 8  | A. 70      |
| 125 base 10 to base 2 | A. 1111101 |
| 23 base 10 to base 12 | A. 1B      |

15) I'll name a 2001 Heisman Trophy hopeful, and FFPE, you tell name his university.

- |                 |                  |
|-----------------|------------------|
| Ken Dorsey      | A. Miami         |
| DeShaun Foster  | A. UCLA          |
| Rex Grossman    | A. Florida       |
| David Carr      | A. Fresno State  |
| Joey Harrington | A. Oregon        |
| George Godsey   | A. Georgia Tech. |

16) Show off your seismology knowledge by answering the following FTPE.

Though earthquakes can cause great loss of life, in the 1964 Alaska quake, as in many others, most deaths were caused by these destructive waves that can move 300-600 mph.

A. **tsunami** (acc. seismic sea wave)

The focus is where an earthquake originates; what term designates the location on Earth's surface directly above the focus?

A. **epicenter**

The velocity of seismic waves greatly increase abruptly when they pass this boundary separating the crust from the underlying mantle.

A. **Mohorovicic** discontinuity (acc. "Moho")

17) Answer the following concerning the appearance of Europeans in Mexico FSNOP

(5 pts.) In 1519 this Spaniard came ashore in Mexico and marched inland.

A. Hernando **Cortez**

(5 pts.) This Aztec king welcomed Cortez's appearance as that of a fabled god.

A. **Montezuma**

(10pts.) Cortez's light skin made Montezuma believe that Cortez was the incarnation of what returning Aztec god?

A. **Quetzalcoatl**

(10pts.) What Aztec capital, now the site of Mexico City, did Cortez take?

A. **Tenochtitlan**

18) 30-20-10 Name the novelist from works.

(30) *To a God Unknown; The Wayward Bus*

(20) *The Sea of Cortez; Tortilla Flat*

(10) *East of Eden; The Pearl*



19) 30-20-10 Name the opera.

30) With a libretto by Henri Meilhac and Ludovic Halevy, some of its set pieces, like *The Dragoons of Alcala* and *Micaela's Air*, are commonly performed at symphony concerts.

20) First performed in Paris in 1875, it also includes the *Aragonaise* and *Bohemian Dance*.

10) This Bizet work is best known for the *Toreador Song* and *Habanera*.

A. **Carmen**

20) Answer these questions about significant ships from 1807.

A. First, for 5 points each, name the man who launched the first commercially successful steamboat in August 1807, and name that steamboat.

A. Robert **Fulton**; the **Clermont**

B. On June 22, 1807, a British ship fired on a U.S. frigate and removed four alleged British deserters. FTP each, name, in order, the British ship and the American frigate.

A. The **Leopard**; The **Chesapeake**