

Valencia Fall Invitational, 1998  
VCC Round 2

Toss-ups

1) Born in 1878 in San Francisco, she was the fourth child of a businessman who abandoned his family. Her mother took the family to London, and in 1900 she became interested in ballet. She quickly turned her back on the conventional, however, shocking audiences by dancing in bare feet and wearing skimpy costumes. FTP name this dancing rebel who was strangled when her scarf became entangled in the wheel spokes of a car she was driving?

A. Isadora Duncan

2) The French one ruled from 1589 to 1610 and was the first Bourbon king. The English one ruled from 1399-1413 and was the first Lancaster king. The French one proclaimed the Edict of Nantes in 1598; the English one was the subject of a two-part Shakespeare drama. FTP, give the common name and number of these kings.

A. Henry IV (must give both parts)

3) This term designates a general family of viruses characterized by replication as DNA rather than RNA genomes inside their hosts, a process called reverse transcriptase. FTP what is this type of virus hypothesized to be the type which causes AIDS?

A. retrovirus

4) Born in England in 1821, she and her sister Emily founded the New York Infirmary for Indigent Women and Children in 1853. FTP name this woman who received her medical degree in 1849, the first woman to do so.

A. Elizabeth Blackwell

5) The length of a side of a regular square pyramid is four meters. The height of the pyramid is three meters. FTP find the volume of this pyramid.

A. 16 meters

6) In particle physics, it refers to a group of particles that emerge from a collision on nearly parallel paths. In mineralogy, it is a hard, compact black form of lignite. In publishing, it is the name of an African-American interest magazine. FTP what is this three-letter term, which most commonly designates fast modern planes?

A. jet

7) A graduate of Ball State University, one of his first jobs was as a weathercaster for a local TV news station in Indianapolis. He later tried stand-up comedy, but hit his stride when he began guest-hosting for Johnny Carson. Name this man, FTP, who so impressed NBC that they eventually gave him his own late-night show, which has subsequently moved to CBS.

A. David Letterman

8) There are two persons with this name in the Bible. One later became Bishop of Cyprus; the other is the only named character in a New Testament parable. The first was the brother of Mary and Martha of Bethany; the latter was covered with sores. FTP give the common name of these men helped by Jesus.

A. Lazarus

9) From the Greek for “light bringer”, this element glows because of rapid oxidation. FTP name this nonmetal with atomic number 15 and symbol P.

A. phosphorus

10) A rabid anti-semiter, he applauded Mussolini’s rise to power in Italy, his adopted home. After the outbreak of World War II, he became a radio propagandist for the Italians, a position which landed him in a military prison in Pisa at the end of the war. FTP name this poet, born in Moscow, Idaho, whose incarceration gave him time to write the Cantos.

A. Ezra Pound

11) It was more of a philosophy than an organized religion. It was mostly a reaction to Enlightenment scientific discoveries which made men such as Voltaire, Ben Franklin, and Thomas Jefferson wonder if God hadn’t just created the world and then left it to run by natural laws. FTP, name this quasi-religion popular with many of the founding fathers.

A. Deism

12) Silicon dioxide constitutes half of it, the rest being composed of magnesium dioxide, iron oxide, and other metal oxides. It makes up about two-thirds of the Earth’s bulk. FTP name this layer of the Earth found directly below the crust.

A. mantle

13) This American physician was a major character in the book and movie The Road to Wellville. A Seventh-Day Adventist, he became superintendent of Battle Creek Sanatorium in Michigan in 1876. FTP name this doctor whose advocacy of corn flakes as part of a healthy diet eventually led to the cereal conglomerate which bears his name.

A. John Harvey Kellogg

14) This city is nicknamed “The Queen City of the Great Lakes.” Two of its residents went on to become president, one of whom had previously served as its mayor. Its name may have come from a Native American mispronunciation of the French words Beau Fleuve (bo-floov), meaning “beautiful river.” FTP name this New York city which suffered through four consecutive Super Bowl losses in the early 1990s.

A. Buffalo

15) A runner traverses a circular track with a one-mile radius at a speed of  $2\pi$  miles per hour. How long, FTP, will it take him to complete one full circuit?

A. one hour

16) He was a member of the unfortunate House of Atreus in Greek mythology. He stole a favorite golden dog of Zeus, gave ambrosia and nectar to mortals, and worst of all killed his own son Pelops and fed him to the gods. For that he had to be punished in Hades. FTP name this cheeky mortal forced to stand in liquid that always recedes when he bends to drink it.

A. Tantalus

17) Hans Lippershey applied for the first patent for one in 1608. William Herschel improved on it in 1789, building one that remained the largest for almost 100 years. What are these instruments, FTP, into which Isaac Newton introduced the first mirrors in 1668?

A. telescope

18) It is set to the tune of an old English drinking song called "To Anacreon in Heaven." Its text comes from a poem describing the bombardment of Fort Baltimore by the British in the War of 1812. FTP what is this song routinely botched by celebrities before ball games?

A. The Star-Spangled Banner

19) Its ball weighs 5.5 ounces, and it is played on a pitch. Bowling may be done under- or overhanded from behind the crease. FTP this describes what game of British origin which also features wickets and bats?

A. cricket

20) His given first name was Hiram. Through a mistake on the rolls, however, his name was changed when he entered West Point, where he was a poor student. His schooling didn't seem to hurt him, though, as he became a successful general. FTP name this man who didn't fare so well as the 18th president.

A. U. S. Grant

21) His desire to create a unified art from the elements of music, poetry, dance, architecture, sculpture, and painting was summed up in the German word Gesamtkunstwerk (geh-sahmt-kunst-vairk). FTP name this composer of operas such as "The Flying Dutchman" and "Tannhuaser."

A. Richard Wagner (ree-kart vahg-ner)



Bonus for VCC Round 2 (Fall 1998)

1) (30 pts.) Given a list of characters from a family created by William Faulkner, provide their common last name for ten points apiece.

Quentin, Benjy, Caddy	A. Compson
Flem, Ab, Sarty	A. Snopes
Anse, Jewel, Darl	A. Bundren

2) (30 pts.) 30-20-10 Name the author from works.

30) The Possessed; The Devils

20) Notes from Underground

10) Crime and Punishment A. Fyodor Dostoevsky

3) (30 pts.) Given a battle, name the war in which it took place for five points each.

Sedan	A. Franco-Prussian War
Coral Sea	A. WW II
Jutland	A. WW I
Battle of the Wilderness	A. Civil War
Cowpens	A. American Revolutionary War
Poitiers	A. Hundred Years' War

4) (30 pts.) 30-20-10 Name the chemical element from clues.

30) Its name comes from the Greek word for "rainbow."

20) Because it doesn't occur naturally on Earth, large deposits of this element found in 65 million year old rock are used to support the hypothesis of a massive asteroid striking the planet.

10) It is a metal with atomic number 77 and symbol Ir.

A. iridium

5) (30 pts.) Provided the name or nickname of a first lady, name the president to whom she was/is married for five points each.

Lemonade Lucy	A. Rutherford B. <u>Hayes</u>
Mamie	A. Dwight D. <u>Eisenhower</u>
Lady Byrd	A. <u>Lyndon Johnson</u>
Rachel	A. Andrew <u>Jackson</u>
Rose	A. Jimmy <u>Carter</u>
Dolly	A. James <u>Madison</u>

6) (30 pts) Everyone loves an athlete, and sometimes we love them so much that we willingly submit to their rule. Name the following athletes-turned-politicians for ten points each.

A winner of over 200 games as a major league pitcher, he now represents Kentucky as a

Republican House member.

A. Jim Bunning

He led the Oklahoma Sooners to an NCAA football championship in 1979 as a wishbone quarterback. He is now a junior congressman from Oklahoma who was a featured speaker at the 1996 Republican National Convention.

A. J. C. Watts

Also an Oklahoma Republican representative, he is the second-leading all-time receiver in the NFL, having played his whole career for the hapless Seattle Seahawks of the 1970s and 80s.

A. Steve Largent

7) (30 pts.) Identify the following mathematical surfaces for 15 points each.

This is a continuous one-sided surface, studied in topology, formed by bending the small end of a tapering tube, passing it through one side, and then joining its flared opening to the opening at the wide end. It has, then, no inside and no outside.

A. Klein bottle

This is a doughnut-shaped surface described by the revolution of a conic section, or the solid enclosed by such a surface.

A. torus

8) (30 pts.) Identify the physical constant from its numerical value for ten points. If you need its symbol, you'll receive five.

10)  $6.6260755 \times 10^{-34}$  joules per second

5) h

A. Planck's constant

10)  $6.67259 \times 10^{-11}$  newton-meters squared per kilogram squared

5) G

A. Gravitational constant

10)  $1.380658 \times 10^{-23}$  joules per kelvin

5) k

A. Boltzmann's constant

9) (25 pts.) I'll name a country, and you tell me its unit of currency for five pts. each.

Greece A. drachma

Egypt A. (Egyptian) pound

Thailand A. baht

Australia A. dollar

Denmark A. kroner

10) (30 pts.) Name the human, real or fictional, associated with the following animal companions, or as we used to call them, pets.

Bucephalus (a horse)

A. Alexander the Great

Argus (a dog)

A. Odysseus

Fala (a Yorkshire Terrier)

A. Franklin D. Roosevelt

Checkers (a Beagle)

A. Richard Nixon

Buddy (a Chocolate Lab)

A. Bill Clinton

Incitatus (a horse)

A. Caligula

11) (30 pts.) After a description, provide the scientific term for ten points each. Hint: all the terms start with the letter 'e'.

This term describes the heat content per unit mass of a substance, or the quantity of heat required to raise a unit mass of a liquid from its freezing point to a given temperature, and then turn it into a vapor at that temperature under constant pressure.

A. enthalpy

This botanical term refers to plants which store food in the ovule of a seed for the early nourishment of the embryo.

A. endosperm

Either of the two days a year when day and night are of equal lengths on all parts of the Earth.

A. equinox

12) (30 pts.) 30-20-10 Name the state from clues.

30) Natives of this state include Nellie Tayloe Ross and Jackson Pollock.

20) Ross, from the first clue, became its governor in 1925, making it the first state to elect a female governor.

10) It makes sense that Ross might win in this state since it was the first to give women the vote.

A. Wyoming

13) (30 pts.) Name the 20th century American novel from characters in it for ten points. If you need to know the author, you'll receive five.

10) Sal Paradise; Dean Moriarty

5) author Jack Kerouac

A. On the Road

10) Rose of Sharon; Tom

5) author John Steinbeck

A. The Grapes of Wrath

10) Daisy Buchanan; Nick Carroway

5) author F. Scott Fitzgerald

A. The Great Gatsby

14) (30 pts.) Given a 20th century event, name the exact year in which it took place for ten points each.

Iraq invades Kuwait, prompting Operation Desert Shield by the U. S. and Allies.

A. 1990

Robert F. Kennedy is killed by Sirhan Sirhan

A. 1968

The Marshall Plan is authorized and put into effect by the U. S.

A. 1948

15) (20 pts.) Provided a definition of a movement at a synovial joint, name that movement.

The angle between the surfaces of the articulating bones decreases.

A. flexion

The angle between the surfaces of the articulating bones increases.

A. extension

The continuation of extension beyond the anatomical position.

A. hyperextension

A combination of flexion-extension and abduction-adduction such that a part of the body moves in a circle.

A. circumduction

16) (30 pts.) Name any six of the sitting U.S. Supreme Court Justices for five points each.

William Breyer

Sandra Day O'Connor

David Souter

Ruth Bader Ginsberg

William Rehnquist

John Paul Stevens

Anthony Kennedy

Antonin Scalia

Clarence Thomas

17) (30 pts.) 30-20-10 Name the philosopher from works.

30) On the Genealogy of Morals

20) The Gay Science

10) Ecce Homo; Thus Spake Zarathustra A. Friedrich Nietzche

18) (30 pts.) 30-20-10 Name the composer from works

30) The Scythian Suites; the opera The Fiery Angel

20) the opera The Love for Three Oranges

10) Peter and the Wolf A. Sergei Prokofiev

19) (30 pts.) Name the authors of the following ancient works for ten points each.

On the Nature of Things

A. Lucretius

Lives

A. Plutarch

The Art of Poetry

A. Ovid

20) (30 pts.) Given a year and the author, name the Pulitzer Prize-winning novel for the stated number of points.

5) 1983, Alice Walker

A. The Color Purple

10) 1947, Robert Penn Warren

A. All the King's Men

15) 1968, William Styron

A. The Confessions of Nat Turner