

Valencia Fall Invitational 2002
Round 3
Questions by Chris Borglum

1) Her first published poem was an elegy on the death of Reverend George Whitefield, a New England Wesleyan revivalist. After publishing "To His Excellency General Washington" in Pennsylvania Magazine in 1775, the future president met with her at her home in Cambridge in 1776. FTP name this author of the collection Poems of Various Subjects, Religious and Moral, which contains her work "On Being Brought from Africa to America."

A. Phyllis Wheatley

2) In interviews following his most famous act, he said that the first three beings to see him after his flight were an old woman, her granddaughter, and a cow, who all happened to be in the field where his parachute landed. He died seven years later while test piloting a MiG 15 aircraft. FTP who is this passenger on Vostok I, the first man in space?

A. Yuri Gagarin

3) It is the drinking of 15 bottles of this soft drink that makes Forrest Gump need to use the bathroom when he meets with President Johnson in his eponymous movie. Pepsi has recently attempted to copy its flavor with the Mr. Green entry in its SoBe (soh-bee) line. Created in Waco, Texas, a year before Coca Cola was patented, FTP name this soft drink which Coke tries to combat with Mr. Pibb.

A. Dr. Pepper

4) It began when a small group took a battered boat, the Phyllis Cormack, to view bomb testing near Amchitka in Alaska. They led the push behind the Antarctic Treaty of 1991, in which the 39 signatory nations agreed to a fifty-year moratorium on mineral or other exploitation of that continent. FTP name this eco-organization famous for its ship, the Rainbow Warrior.

A. Greenpeace

5) It was completed in 1814, having been commissioned by the Queen of Naples, Napoleon's sister, who never got it as Napoleon was deposed before its completion. The dominant figure holds a peacock-feather fan in her right hand, and a long Turkish pipe stands near an incense burner at the far right. The woman herself is nude, looking back over her right shoulder insouciantly. FTP what is this painting of a seemingly Ottoman concubine by Jean Dominique Ingres?

A. The Grand Odalisque

6) Formed as fragments of megakaryocytes, they work by releasing serotonin and other chemicals to form a plug at the site of damage. Lacking nuclei, there are about 250,000 of them per cubic milliliter of blood. FTP what are these bodies important in blood clotting?

A. platelets

7) "How the First Letter Was Written." "The Singsong of Old Man Kangaroo." "The Butterfly That Stamped." "The Elephant's Child." FTP these short works for children are part of what collection, which also includes "How the Rhinoceros Got His Skin" and "How the Leopard Got His Spots," a work by Rudyard Kipling.

A. Just So Stories

8) Its two buildings stand at 800 South Halsted Street, and it is now a museum run by the University of

Illinois at Chicago. In 1889 Ellen Gates Starr and its most famous occupant moved in and used its space for the first public playground, gymnasium and nursery school in the area. Attracting immigrants, suffragettes and labor organizers, among others, FTP name this social settlement which earned the 1931 Nobel Peace Prize for Jane Addams.

A. Hull House

9) In 1618 this Frenchman enlisted as a mercenary in the army of Maurice of Nassau, and while serving in Ulm he reported having a dream in a "stove-heated room" that became the basis of his methodology. He died in 1650 at the court of Queen Christina of Sweden after finishing "The Passions of the Soul." FTP name this author who in between wrote the philosophical classics "Discourse on Method" and "Meditations on First Philosophy."

A. Rene Descartes

10) The picaresque novel *Simplicius Simplicissimus* is one of the few literary works set during this war. Important battles in it include White Mountain, at which Duke Maximilian of Bavaria defeated the forces of Frederick V, the king of Bohemia, and Lutzen, at which the Lion of the North, Gustavus Adolphus, was slain. FTP name this devastating war which began in 1618 and ended in 1648 with the Peace of Westphalia.

A. Thirty Years War

11) His wife was Nanna, the moon-maiden, and his horse had the magical ability to create clean water where it struck its hoof. That horse was struck lame one day while he was riding with Odin, who saw it as an omen of coming doom for all the Aesir (ay-sere). FTP name this most beautiful of the Norse gods, whose death presaged the beginning of Ragnarok.

A. Baldur

12) The magnetic analog of this effect is called magnetostriction and occurs when ferromagnetic materials respond to magnetic fields. Barium titanate, lead zirconate, and lead titanate are ceramic materials which exhibit the effect, and thus they are used in ultrasonic transducers and microphones. Rochelle salts and quartz both exhibit this as well. FTP what is this effect in which a crystal produces a charge when compressed.

A. piezoelectricity (acc. piezoelectric effect)

13) Work on it began in 1948 with the first dynamite detonations by its visionary creator, Korczak (kor-shak) Ziolkowski, who died in 1982. Since then work has been continued by his wife and ten children, and an outline of the title figure, riding a pony, hair flowing behind, with his right arm pointing toward the Black Hills, can now be seen. FTP what is this massive South Dakota sculpture of a former Sioux chief?

A. Crazy Horse

14) In German it is nicknamed "mit dem Paukenschlag," meaning "with the drumbeat." First performed in London in 1791, its German composer wanted to increase his already strong popularity with a novelty that would grab the attention of the knowledgeable public. The composer's symphony number 94 in G, FTP what is the common nickname of this perhaps most popular Haydn work, so called because of the sudden loud chord that pops up in a quiet movement?

A. Surprise Symphony

15) Beneatha wants to use the insurance money for her medical school tuition. Walter Lee wants to use the money to buy a liquor store. Wiley Harris eventually runs off with the money, and the Younger

family has to move from its small apartment. The first play by an African-American to be performed on Broadway, FTP, this is what work by Lorraine Hansberry?

A. A Raisin in the Sun

16) First, the daimyo were ordered to return their feudal fiefs back to the emperor. Compulsory education was instituted and followed Western models. Shinto experienced a sharp revival and worship of the emperor was encouraged again. Beginning around 1868, FTP this describes what period of Japanese history, in which modernization began in earnest, named for the emperor who took over after the end of the Tokugawa dynasty.

A. Meiji Restoration

17) This element's most common allotrope is a white solid which is stored under water to prevent it from reacting with air. The more stable red form does not react with air, but can be easily ignited via friction. Often used in fertilizers and in fireworks, this Group 5 nonmetal behaves more like arsenic and antimony than nitrogen. Also used in match heads, FTP, what is this element whose name means "bearer of light"?

A. phosphorus

18) As part of her field work at Columbia, she lived with and studied Zuni (zoon-yee) people in Colorado and New Mexico, leading to her book Zuni Mythology. During World War II she was asked by the Office of War Information to research Japanese culture, leading to her work The Chrysanthemum and the Sword. FTP name this anthropologist, perhaps best known for Patterns of Culture.

A. Ruth Benedict

19) Though it won the 1979 Oscar for Best Foreign-Language Film, a cinematic version of this novel was deemed obscene in Oklahoma due to its suggestion of sex between a young boy and a teenage girl. That boy, Oskar Matzerath, chooses at the age of three not to grow anymore due to the ugliness of adults. FTP name this novel about Oskar's attachment to the title object, a work by Gunter Grass.

A. The Tin Drum

20) Carved into an eight-foot tall column around 1780 BCE, it was rediscovered in 1901 and is now in the Louvre. Entry number eight states that if a thief steals a goat from a temple, he'll have to repay thirty times the value of the goat; if he can't, he's put to death. Number 229 famously states that if a house falls down and kills its inhabitant, the housebuilder will be put to death. FTP name this notoriously harsh law code named for its formulator, a Babylonian king.

A. Code of Hammurabi (acc. reasonable equivalents)

Round 3 Boni-VFI 2002

1) Name these South African leaders past and present FTPE.

A. This man is currently president of the African National Congress as well as the nation.

A. Thabo Mbeki

B. Mbeki's immediate predecessor, he headed the ANC during the 27 years he was behind bars before becoming the country's president.

A. Nelson Mandela

C. Mandela's immediate predecessor as president, this man was less conservative than his predecessor, Pieter Botha.

A. F. W. De Klerk

2) Identify the authors of these Theater of the Absurd plays on a 10-5 basis.

A. (10 pts.) Jumpers

(5 pts.) Rosencrantz and Guildenstern Are Dead

A. Tom Stoppard

B. (10 pts.) Breath; Watt

(5 pts.) Waiting for Godot

A. Samuel Beckett

C. (10 pts.) The Bald Soprano

(5 pts.) The Rhinoceros

A. Eugene Ionesco

3) Answer the following about benzene, FTP each.

A. FTP, what is its chemical formula?

Answer: C₆H₆

B. FTP, what is the shape of a benzene molecule?

Answer: ring (accept rough equivalents, including "hexagonal")

C. For 15 points, a common derivative of benzene is toluene. What is the IUPAC ["eye-you-pack"] name for toluene?

Answer: methylbenzene

4) Answer the following about The Iliad FSNOP.

A. (10 pts.) Before leaving him for Paris, Helen was married to this Greek king.

A. Menelaus

B. (5 pts.) This brother of Menelaus was commander-in-chief of Greek forces.

A. Agamemnon

C. (5 pts.) This greatest of Trojan heroes was slain by Achilles in single combat.

A. Hector

D. (10 pts.) Hector had previously slain this valet and armor bearer to Achilles.

A. Patroclus

5) Identify the following Deweys, none of whom is a duck, FTPE.

A. This Dewey is the 19th-century American librarian who created a namesake "decimal system" in order to classify books.

A. Melvil

B. This Dewey is the pragmatic philosopher who wrote Democracy and Education.

A. John

C. This Dewey is the commodore who routed the Spanish in Manila Bay in 1898.

A. George

6) 30-20-10 Identify the painter.

A. (30) An ardent communist, he traveled to the Soviet Union twice, but his enthusiasm waned after he was treated poorly on his second visit. He revived the buon fresco technique for use in his public decorations for buildings.

B. (20) His Rockefeller Center mural was covered up after complaints were made about its inclusion of a flattering portrait of Lenin.

C. (10) This Mexican muralist had a tumultuous marriage to another painter, Frida Kahlo.

A. Diego Rivera

7) Name these related quantities from basic physics, FTP each:

A. For a constant applied force, it equals force times distance.

Answer: work

B. It equals work per unit time, or force times velocity.

Answer: power

C. For a force applied over a short time, as in a collision, this quantity is the integral of F times dt, over an interval from 0 to delta-t.

Answer: impulse

8) Provide the capitals of these Asian nations FFPE with a five-point bonus for getting them all.

A. Vietnam

A. Hanoi

B. Laos

A. Vientiane

C. North Korea A. Pyongyang

D. Cambodia

A. Pnomh Penh

E. Thailand

A. Bangkok

9) Given characters, name the opera FTP. If you need the composer, you'll only get five.

A. (10 pts.) Tamino; Papageno

(5 pts.) Mozart

A. The Magic Flute

B. (10 pts.) Bardolph; Mistress Ford; Mistress Page

(5 pts.) Verdi

A. Falstaff

C. (10 pts.) Don Jose; Escamillo

(5 pts.) Georges Bizet

A. Carmen

10) Name these men who were members of the Roman triumvirates FTPE.

A. Though married to Julius Caesar's daughter, after her death this general and consul became a bitter rival of Caesar's.

A. Pompey

B. This general defeated his rivals Brutus and Cassius at Philippi after Caesar's assassination.

A. Marc Antony

C. This wealthy aristocrat chose wisely when he sided with Octavian against Marc Antony.

A. Lepidus

11) Given a list of movies, name the actor/actress common to all three FTPE.

A. Renaissance Man; The War of the Roses; Twins

A. Danny Devito

B. The Outsiders; All the Right Moves; Far and Away

A. Tom Cruise

C. River's Edge; Say Anything; Gas, Food, Lodging

A. Ione Skye

12) Answer the following about the movements for African independence after WWII FTPE.

A. This secret society, headed by Jomo Kenyatta, used violence in order to bring independence to Kenya.

A. Mau Mau

B. The poet Leopold Senghor became first president of what nation upon its independence?

A. Senegal

C. Kwame Nkrumah was installed as first president of this nation, formerly known as the Gold Coast, in 1957.

A. Ghana

13) Name these parts of your brain FTPE.

A. This is the network of fibers that connects the two hemispheres.

A. corpus callosum

B. This structure connects the upper portion of the spinal cord to the brain and is itself the inferior portion of the brain stem.

A. medulla oblongata

C. Lying above the medulla and anterior to the cerebellum, this structure, Latin for "bridge," connects the medulla to the midbrain.

A. pons

14) Name these writers of the Harlem Renaissance FTPE.

A. He collaborated with Zora Neale Hurston on the play "Mule Bone," but is better known for poems like "The Negro Speaks of Rivers."

A. Langston Hughes

B. Though an accomplished poet, this author is best known for the novel "Cane."

A. Jean Toomer

C. He is best known for "The Autobiography of an Ex-Colored Man" and "God's Trombones."

A. James Weldon Johnson

15) Answer the following about the aftermath of the French Revolution FTPE.

A. The National Convention convened after the ouster of Louis XVI was divided between two factions: name both FTPE.

A. Girondists and Montagnards (acc. "The Mountain")

B. The Montagnards eventually cleaved to the wishes of the bitterly anti-aristocratic masses who were called by this name, signifying their emphasis on wearing trousers rather than the breeches of the wealthy.

A. Sans-culottes

16) 30-20-10 Name the nation.

A. (30) Much of its northern area is taken up by two enormous salt deserts flanked on the north by the Elburz and Zagros mountain ranges. Seven percent of its population is Kurdish.

B. (20) Only about a tenth of its population is Sunni.

C. (10) Its rabur, or head religious leader, is the Shi'ite Sayed Ali Khomeini, and its president is Muhammed Khatami.

A. Iran

17) Answer the following about an important early Renaissance painting FSNOP.

A. (10 pts.) Finished around 1427, this painting depicts Jesus and the disciples in the center, with Peter thrusting a coin into a tax collector's hand at the right.

A. The Tribute Money

B. (5 pts.) Who painted "The Tribute Money"?

A. Masaccio

C. (15 pts.) "The Tribute Money" is a fresco hanging in what famous chapel in Florence?

A. Brancacci Chapel

18) FTP each, name that alkane.

A. A straight-chain alkane with 5 carbons.

Answer: pentane

B. A cyclic alkane with 4 carbons.

Answer: cyclobutane

C. A straight-chain alkane with 8 carbons, with CH₃ groups substituted at the 3 and 6 positions.

Answer: 3-6-dimethyloctane [that's "di-methyl-octane"]

19) Name these ancient Greek philosophers from key concepts for 15 points each.

A. This Milesian argued that all things were made of air.

A. Anaximenes

B. This later Greek argued that the primary substance was fire.

A. Heraclitus

20) Name these non-fiction works by George Orwell FTPE.

A. Orwell describes his experiences bouncing between the title cities while working at various menial jobs.

A. *Down and Out in Paris and London*

B. Orwell describes the plight of English laborers in this work.

A. *The Road to Wigan Pier*

C. Orwell describes his time fighting against the fascists in the Spanish Civil War.

A. *Homage to Catalonia*