

Valencia Fall Invitational 2002

Round 9—Questions by Dr. Tom Deaton of Dalton State with some by Chip Thomas and Seth Teitler

TOSS UPS

1. A member of the New Apocalypse movement in Poetry, one of his notable works is “A Refusal to Mourn the Death, by Fire, of a Child in London.” His odd prose works were collected in *Adventures in the Skin Trade*, and his radio play *Under Milk Wood* is well known. FTP name this Welsh-born writer best known for the poem “Do Not Go Gentle into that Good Night.

A. Dylan THOMAS

2. Any of the major brands of cola are great for polishing chrome as an acid present in cola is quite active. It dissolves rust and reacts with chrome to form a tough coat of chromium phosphate. For ten points, name that acid whose formula is  $H_3PO_4$ .

A. PHOSPHORIC Acid or ORTHOPHOSPHORIC Acid

3. A.E.W. Mason wrote this novel in 1902, and now Miramax brings it to the screen. The Brits are shipping out to Africa to battle a revolt by Sudanese Arabs, and a general's son first resigns his commission rather than go and fight. Then he receives a certain number of white symbols of cowardice and contempt, one from his fiancé, so he takes out after his regiment. For ten points, name the film starring Heath Ledger or the book.

A. The FOUR FEATHERS

4. Indonesia's westernmost main island has received almost 2 million transmigrants, more than all the other islands combined. This only adds tension to the island's area of Aceh, in which violence between Muslims and Christians has been prevalent. FTP name this island with capital of Medan.

A. SUMATRA

5. Born in Edinburgh, this man became the second president of the National Geographic Society. By 1893 his work with deaf children was paying off, and his 13-year-old prodigy was Helen Keller. However, he's better known for saying six words that his assistant was able to hear in another room. FTP name this inventor of the telephone.

A. Alexander Graham BELL

6. For ten tasty math points, find the center of the circle with the equation  $x^2 - 6x$  plus  $y^2 + 4x - 3 = 0$  (read:  $x$  squared minus  $6x$  plus  $y$  squared plus  $4x$  minus  $3$  equals zero).

A.  $x = 3$  and  $y = -2$  (or  $3, -2$ )

7. In the geological theory of Plate Tectonics, the lithosphere is pulled, it is believed, by convective cycles of hot, molten material in the mantle. For ten points, name this layer of the mantle where this interchange occurs.

A. ASTHENOSPHERE

8. In 1947, she was granted a rare exclaustation by the Vatican. That let her remain a nun while violating her Sisters of Loreto's rule of enclosure to leave the convent and do the work that

earned her the 1979 Nobel in Peace. For ten points, who was this Albanian nun who worked with the poor in Calcutta.

A. MOTHER TERESA

9. Metals were once thought to be composed of a powdery calx and this substance, which Johann Becher called "terra pingis" or "fat earth" in 1669. Joseph Priestley defended this theory throughout his lifetime, but Lavoisier showed that there was no absolute gain in mass when things were burned, and found that oxygen taken up to form an oxide played a similar role. FTP, name the substance, whose familiar name was coined by Georg Stahl from the Greek for "burning", that all flammable objects were once thought to contain.

A. PHLOGISTON

10. The priest Pashur had him beaten and put in the stocks. Other priests had him tried for prophesying the destruction of Jerusalem, and he was finally kidnapped by opponents and disappeared. For ten points, who was this pessimistic major prophet of Lamentations?

A. JEREMIAH

11. This American songwriter and entertainer of the early 20<sup>th</sup> century is known for "Give My Regards to Broadway," "You're a Grand Old Flag," and "Over There." For ten points, who do we associate with Jimmy Cagney's portrayal of "Yankee Doodle Dandy?"

A. George M. COHAN

12. In eleventh century Europe Romanesque architecture emphasized rounded arches, massive stone walls and small windows. In the 12<sup>th</sup> and 13<sup>th</sup> centuries the new architecture developed vaults with pointed arches, large stained-glass windows and flying buttresses. For ten points, name this medieval architectural style.

A. GOTHIC

13. At the time of its 1840 annexation by Britain, it was the largest country in Polynesia. In 1856, it became a self-governing colony; in 1907, a dominion, and in 1947, fully independent. For ten points, name this thousand-mile-long nation whose North and South Islands lie east of Australia

A. NEW ZEALAND

14. The five mathematically possible versions of this theory are designated: Type I, Type IIA, Type II B, Heterotic-O and Heterotic-E. For ten points, name this unified theory of the universe whose fundamental units are one-dimensional filaments.

A. STRING or SUPERSTRING Theory

15. This American political party has had different incarnations, including major presidential candidacies in 1924 and 1948, but in 1950 it self-destructed when its executive board condemned U.S. participation in the Korean War. That led many of its members, including Henry Wallace, to quit. For ten points, name this party which was originally founded by Robert LaFollette.

A. PROGRESSIVE Party

16. Gore Vidal once said that this woman's "self-loving arias" were enough to drive him from any room. This piano virtuoso from Columbus, Georgia failed with the play *The Square Root*

*of Wonderful*, but scored with her story of a poorly-adjusted tomboy named Frankie, who is desperate become a “member” of her sister’s wedding. FTP, name the gifted alcoholic who also wrote about two mutes in the novel *The Heart is a Lonely Hunter*.

A. Carson McCOLLERS

17. Yao Wenyan is still alive, and was released from prison in 1997. Wang Hongwen died there in 1992 after he and Yao were given lengthy prison sentences after their show trial in 1980. Considered the ringleaders, Zhang Chunqiao and Jiang Qing, Mao’s widow, were sentenced to death, though those sentences were suspended. Dominating Chinese political life from 1970 till Mao’s death in 1976, FTP what nickname was given to this cabal of Chinese leaders.

A. GANG of FOUR

18. Shergottites, nakhlites, and chassignites, collectively known as SNC, are believed to originate from Mars. The most simple classification scheme labels them as stony, iron, or stony-iron. Types include chondrites, which are believed to resemble the building blocks of planets. FTP name these objects which are generally smaller than asteroids.

A. METEORITES or METEORS or METEOROIDS

19. Reed Hastings stewed over the \$40 late charge Blockbuster hit him with, so he started this DVD dot.com rental service. For a \$19.95 monthly fee, a subscriber can check out three DVDs a month. For ten points, name the largest such dot.com company in the market-place.

A. NETFLIX

20. In 1829 he published his first work, a poem called “Italia.” Soon thereafter his work attracted the attention of Pushkin, who helped him publish stories like “Nevsky Prospect” and “Diary of a Madman.” The novel *Taras Bulba* followed. FTP name this Russian, author of fantastic short stories like “The Overcoat” and “The Nose.”

A. Nikolai GOGOL

#### Valencia Fall Invitational Round 9–Boni

1. 30-20-10 Name the English writer from works.

- A. (30 pts.) Journal to Stella; A Meditation upon a Broom-Stick
- B. (20 pts.) The Drapier's Letters; The Battle of the Books
- C. (10 pts.) "A Modest Proposal"; The Tale of a Tub
  - A. Jonathan SWIFT

2. Before President Clinton left office he proposed to raise to 21 the legal age for possessing handguns. Maryland is the only state with such a minimum age for owning either handguns or rifles. Nine states have no minimum age for owning any kind of gun. For five points each, name any six of those nine states.

ALABAMA	NEW HAMPSHIRE
DELAWARE	TEXAS
LOUISIANA	WEST VIRGINIA
MAINE	WYOMING
MISSISSIPPI	

3. For five points each and a five-point bonus for getting 'em all, name the classification for these rocks.

Chert	SEDIMENTARY
Gneiss	METAMORPHIC
Travertine	SEDIMENTARY
Obsidian	IGNEOUS
Andesite	IGNEOUS

4. Name these African kingdoms FTPE.

A. The earliest of the Sudanese kingdoms, which rose on the upper Niger, controlling the salt, kola nut and slave trade between the north and south and the site of incredible gold mining.

A. GHANA

Ghana's rule was replaced by this kingdom in 1235 and created an empire that stretched from the Atlantic to Goa on the Niger River. It was a site of Muslim influence and control from such cities as Timbuktu.

A. MALI

The largest of the Sudanic empires, was the center of Muslim scholarship and on a much publicized pilgrimage to Mecca brought thousands of gold pieces which were freely distributed to the poor.

A. SONGHAI

5. The fall TV season is up and running with a host of new shows. For five points each, name the network which is offering up these shows:

a. Life with Bonnie	ABC
b. In Laws	NBC
c. Everwood	WB
d. CSI: Miami	CBS
e. Fastlane	FOX
f. Beg, Borrow and Deal	ESPN

6. Identify these folks visited by Odysseus on his way home from Troy FTPE.

A. This nymph loved Odysseus and kept him as her love prisoner.

A. CALYPSO

B. These giant cannibals destroyed all of Odysseus's ships except the one he was in.

A. LAESTRYGONIANS

C. These people enticed a few of Odysseus's men to eat the honey-sweet flower they loved and which made his men lose all desire to try to return home.

A. LOTUS-EATERS

7. Identify these works by Aaron Copland FTPE.

A. Commissioned by choreographer Lincoln Kirstein, this ballet includes the sections "The Open Prairie" and "Gun Battle."

A. BILLY THE KID

B. Choreographed by Agnes De Mille, this ballet's final section is "Hoedown," the music of which you'd recognize from recent beef commercials.

A. RODEO

C. This suite is best known for its setting of the Shaker hymn "Simple Gifts."

A. APPALACHIAN SPRING

8. Identify the highest point in the following states FTPE.

A. California

A. Mt. WHITNEY

B. North Carolina

A. Mt. MITCHELL

C. Georgia

A. BRASSTOWN BALD

9. Answer the following about the Carnot engine FTPE.

A. Two of the steps in the Carnot engine cycle are this type of process, which occurs at constant temperature.

A. ISOTHERMAL

B. The other two steps in the cycle are this type of process, in which there is no heat transfer between the engine and either reservoir.

A. ADIABATIC

C. What is the efficiency of a Carnot engine operating between two heat reservoirs of temperatures 100 Kelvin and 400 Kelvin?

A. 75% or .75 or 3/4

10. Answer the following about a 20<sup>th</sup> century novel FSNOP.

A. (10 pts.) John Hinkley said the reason for his shooting of President Reagan could be found in this novel's pages, and Mark David Chapman had asked John Lennon to sign his copy earlier on the day he shot him.

A. *CATCHER IN THE RYE*

B. (5 pts.) Who wrote *Catcher in the Rye*?

A. J.D. SALINGER

C. (5 pts.) Who is the novel's narrator?

A. Holden CAULFIELD

D. (10 pts.) What red article of headwear does Holden always have with him?

A. HUNTING cap (acc. equivalents that include "hunting")

11. I'll name a city, and you name the country into which you would first pass if you drove due east from it FTPE.

A. Damascus

A. IRAQ

B. Paris

A. GERMANY

C. Bogota

A. VENEZUELA

12. Name the NFL team for which the following running backs tote the pigskin FFPE.

- |                     |                           |
|---------------------|---------------------------|
| A. Priest Holmes    | A. KANSAS CITY or CHIEFS  |
| B. Michael Pittman  | A. TAMPA BAY or BUCS      |
| C. Corey Dillon     | A. CINCINNATI or BENGALS  |
| D. Travis Henry     | A. BUFFALO or BILLS       |
| E. Jonathan Wells   | A. HOUSTON or TEXANS      |
| F. Deuce McAllister | A. PHILADELPHIA or EAGLES |

13. The death adder, green mamba, and coral snake are among the highly venomous snakes in the family elapidae. FSNOP:

a. (5 pts.) What is the common name for that family whose members can expand their neck ribs to form a hood?

A. COBRAS

b. (5 pts.) Name the largest cobra that's also the largest poisonous snake in the world.

A. KING Cobra

c. (10 pts. each) What are the only two continents without native cobras?

A. EUROPE and ANTARCTICA

14. Identify the French monarch during the following events FTPE.

- |                                   |                   |
|-----------------------------------|-------------------|
| A. St. Bartholomew's Day Massacre | A. CHARLES IX     |
| B. Revolution of 1832             | A. LOUIS PHILIPPE |
| C. Seven Years' War               | A. LOUIS XV       |

15. Stuff about a certain philosopher FTPE.

A. First, what contributor to the Encyclopedie also published the Letter to D'Alembert and Confessions?

A. Jean Jacques ROUSSEAU

B. In what work did Rousseau argue that children should not be taught or treated like adults?

A. *EMILE* (or the Education)

C. In 1766 this Scottish philosopher offered Rousseau asylum when most people in France and Switzerland wanted to gut him.

A. David HUME

16. Now, it's time for the Bible questions, for five points each, with a ten-point bonus for getting 'em all:

a. Name the first Gospel in the New Testament to be written

A. MARK

b. Name the first letter written by Paul

A. GALATIANS

c. Name the largest book in the New Testament



A. MATTHEW

d. Name the last book in the New Testament to be written

A. REVELATION

17. Fun with organic chemistry! FTPE:

A. Compounds of carbon and hydrogen which have single bonds between the carbon atoms are called what?

A. SATURATED HYDROCARBONS

B. For a hydrocarbon to be aromatic, it must contain what type of ring?

A. BENZENE

C. What name is given to hydrocarbons which don't contain benzene rings?

A. ALIPHATICS

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

A. (30 pts.) Mr. Sammler's Planet;

B. (20 pts.) Henderson the Rain King; Ravelstein

C. (10 pts.) Herzog; Seize the Day

A. Saul BELLOW

19. Supply the mathematical terms given brief definitions FTP each.

A. This word, which comes from the name of a Persian author, refers to a precise prescription (given by a step-by-step description) of a solution to a problem

A. ALGORITHM

B. This abbreviation is used to denote the end of a proof.

A. QED (accept "quod erat demonstrandum")

C. This special case of epicycloid is a plane curve traced by a point on a circle rolling on the outside of a circle of equal radius

A. CARDIOD

20. Some economists have attributed African underdevelopment in part to the high fractal dimension of the continent: this compactness leaves a number of its countries without access to the sea. For five points each, and five more for getting them all, name five of the six landlocked African countries that lie on or completely north of the equator.

MALI

BURKINO FASO

NIGER

CHAD

CENTRAL AFRICAN REPUBLIC

UGANDA (any order)