

Georgia High School State Championship  
Armstrong State College  
March 11-12, 1988  
Written by Mike Decker and Tom Waters

Tossups  
Thirteen

1. A National Park in eastern Arizona is a showcase for fossils formed by mineral replacement of natural wood fibers by silicon dioxide. For 10 points--name this site.

Answer: Petrified Forest

2. Last September 25th, a three-member panel of the U.S. Supreme Court sitting in mock court unanimously ruled that this man actually wrote the plays attributed to William Shakespeare. For 10 points--who was this great writer who was born in 1564 and died in 1616?

Answer: William Shakespeare

3. In cows and other cud-chewing animals, it can operate in reverse, but in humans these rhythmic contractions of the digestive tract work strictly one-way. For 10 points--what?

Answer: Peristalsis

4. Whenever a Chief Justice of the United States dies or otherwise retires, it is traditional for Congress to appropriate the funds for a commemorative bust of the ex-justice. Only once in history has Congress refused to approve these token funds. FTP--what chief justice failed for years to get his marble bust because Congress reviled him for his pro-slavery decisions?

Answer: Roger B. Taney (TAW-nee)

5. As a child she had drawn pictures and colored them with the juice of berries and grapes. After her husband died, she took up embroidery, but arthritis forced her to return to painting. Her first picture sold in a drugstore in Hoosick Falls, New York in 1938. For 10 points--name this American folk artist.

Answer: Anna Mary "Grandma" Moses

6. 98% of its species of palm trees are found nowhere else; the same is true of 80% of its flowering plants and 95% of its reptiles. Half of the world's varieties of chameleons live on this island only as do most species of lemurs. For 10 points--what is this botanically and zoologically unique island off the southeast coast of Africa?

Answer: Madagascar or Malagasy Republic

7. In the late 1960's, many U.S. senators claimed to oppose the war in Vietnam. But only two senators, Wayne Morse of Oregon and Ernest Gruening of Alaska, voted against the 1964 Congressional resolution which drew the United States into deeper involvement. For 10 points--name this resolution named for an arm of the sea.

Answer: Gulf of Tonkin Resolution

8. Last June, he proposed that whole killed AIDS viruses be used to vaccinate otherwise healthy AIDS carriers in hopes that the vaccine might prevent or slow down the onset of the disease. His idea is now being tested in California and, if it works, should win him the Nobel Prize he has long deserved for developing the first successful flu vaccine and the first successful polio vaccine. For 10 points--who is this elderly American scientist?

Answer: Dr. Jonas Salk

9. It's not Greece, but it does contain Mount Olympus. It's not Monaco, but it does contain Mount Rainier. It's not Florida, but it does contain the Space Needle. For 10 points--what state is this?

Answer: Washington

10. It took 42 actors of the Royal Shakespeare Company playing 137 roles in eight and a half hours to do justice to this dramatization of a Dickens' classic. FTP--name this long hit play featuring the Cheeryble brothers, which premiered in 1981.

Answer: Nicholas Nickleby

11. It is also called Coon Butte or Canyon Diablo. It was discovered in 1891. Its age is estimated between 5,000 and 50,000 years. Fourteen hundred pounds of nickel-iron fragments have been found in a 100-square mile area around it. For 10 points--name this site near Winslow, Arizona which figured in the movie "Starman."

Answer: Barringer Meteor Crater

12. His most memorable quotation came while he sat in the witness box during his 1919 libel suit against the *Chicago Tribune*. For 10 points--name this industrialist remembered for his sage observation, "History is bunk."

Answer: Henry Ford

13. They are extraordinarily rare even though they occur every tenth of a second somewhere in the observable universe. Since the invention of the telescope in 1609, none had occurred in the environs of the Milky Way until early last year. For 10 points--what are these massive star-destroying events?

Answer: Supernovas or Supernovae

14. He declared his masterpiece completed on All Saints Day of 1512 and now much of his work can be seen as it was originally painted, minus 476 years of accumulated grime. For 10 points--who was this artist and ceiling painter?

Answer: Michelangelo Buonarotti

15. In this year, Nathaniel Hawthorne and Franklin Pierce were born; Immanuel Kant died; Haiti declared its independence; the Code Napoleon was established; Alexander Hamilton was shot by Aaron Burr; and Thomas Jefferson was re-elected president. For 10 points--what year was this?

Answer: 1804

16. An 1827 pamphlet, "The Galvani Circuit Investigated Mathematically," contains the most important formulation of this German's law. It may be expressed mathematically as  $V = IR$  or voltage equals current times resistance. FTP--name it.

Answer: Ohm's Law

17. If you own a TV, it was most likely made in Japan. If you own an ATV, it was also most likely made in Japan. A TV is a television. What--for 10 points--is an ATV?

Answer: All Terrain Vehicle

18. Its concentration in the thyroid is 60,000 as great as in the rest of the body. For 10 points--what is this essential halogen?

Answer: Iodine

19. King Richard II gave in to his demands to abolish the poll tax and all restrictions on the freedom of labor and trade, but the Lord Mayor of London wasn't quite so persuaded and personally killed this agitator in 1381. For 10 points--who was this leader of the ill-fated Peasants' Revolt?

Answer: Wat Tyler

20. For a quick 10 points--what is the sine of the inverse sine of two?

Answer: Impossible or Can't Be Done or No Such Animal or Etc.

Georgia High School State Championship  
Armstrong State College  
March 11-12, 1988  
Written by Mike Decker and Tom Waters

Bonuses  
Round Thirteen

1. (30 Points) The major characters in Shakespeare's tragedies are usually not left standing for the final curtain. For 10 points apiece--which IF ANY of the following characters are left alive at play's end:

- a. In Hamlet: Hamlet, Horatio, Claudius, or Gertrude      Answer: Horatio
- b. In King Lear: King Lear, Cordelia, or the Fool      Answer: None or No one
- c. In Macbeth: Macbeth, Lady Macbeth, Macduff, or Duncan      Answer: Macduff

2. Formal logic has a language all its own. FTP each--in logic what is the NAME given the following connectors:

- a. The connector that requires both statements to be true to yield a true result?      An: Conjunction
- b. The connector that requires at most one of two statements to be true to yield a true result?      An: Disjunction
- c. The connector that requires exactly one of two statements to be true to yield a true result?      An: Exclusive Disjunction

3. (30 Points) Thirty points are yours for identifying this country on the first clue; 20 on the second; or 10 on the third.

- a. Counting its claims to parts of Antarctica, it is the second largest country in the world in size.
- b. Its only centrally located city is Alice Springs.
- c. It celebrated its bicentennial in 1988.

Answer: Australia

4. (20 Points) Three singers are a trio. For 10 points each--what word identifies:

- a. In ancient Rome, a board of three officials, such as Caesar, Crassus, and Pompey?  
Answer: Triumvirate
- b. A Russian vehicle pulled by three horses. In 1960, the Soviets proposed a three-man secretariat to run the United Nations and used this word to describe it.

Answer: Troika

5. (30 Points) You would find Ford's Theater in Washington, DC. For 15 points apiece--in which other capital cities would you find these other famous theaters:

- a. The Abbey Theatre?      Answer: Dublin, Ireland
- b. Covent Garden and Drury Lane?      Answer: London, England

6. (30 Points) Ronald Reagan was president when the space shuttle Challenger blew up. For 10 points apiece--who was president during these happier landmarks in the U.S. space program:

- a. When the first space shuttle orbited the earth?      Answer: Ronald Reagan
- b. When men first orbited the moon?      Answer: Lyndon Johnson or LBJ
- c. When first landed on the moon?      Answer: Richard Nixon

7. (30 Points) Only a handful of scientists have been fortunate enough to discover more than one chemical element. For 10 points each--name these scientists, each of whom discovered a handful:

- a. Barium, Calcium, Potassium, Sodium, Strontium      Answer: Sir Humphry Davy
- b. Neon, Krypton, Argon, Xenon      Answer: William Ramsay
- c. Americium, Berkelium, Californium, Curium, Plutonium      Answer: Glenn T. Seaborg

8. (30 Points) Shakespeare wrote of the seven ages of man. FTP apiece--identify the authors of these more specific ages:

- a. The Age of Reason (1794)      Answer: Thomas Paine
- b. The Age of Innocence (1920)      Answer: Edith Wharton
- c. The Age of Anxiety (1947)      Answer: W. H. Auden

9. (20 Points) Sinclair Lewis refused the 1926 Pulitzer Prize because that prize was instituted to celebrate the wholesomeness of American life and values. For 5 points apiece--name the Sinclair Lewis novel which attacked these mainstays of American life:

- a. Religious evangelism      Answer: Elmer Gantry
- b. Medicine and scientific truth      Answer: Arrowsmith
- c. Small town American life in Gopher Prairie      Answer: Main Street
- d. Middle class values in Zenith, the Zip City      Answer: Babbitt

10. (20 Points) Rudolf Hess was the last prisoner ever held in two of the world's best known prisons. For 10 points each:

- a. Name the West Berlin prison where Hess died in 1987.      Answer: Spandau
- b. In what prison was he held after his flight to Britain in 1941?      Answer: Tower of London

11. (30 Points) American quiz bowl players are more fortunate than their British counterparts in that most famous Americans go by but one name. For 10 points apiece--what was the given name of these famous British citizens:

- a. The Duke of Marlborough Answer: John Churchill
- b. The Earl of Beaconsfield Answer: Benjamin Disraeli
- c. The Earl of Burma Answer: Louis Mountbatten

12. (25 Points) Oxides, not too surprisingly, all contain oxygen. These five oxides each also contain one commercially important metal. For 5 points apiece--what's the only other element besides oxygen in:

- a. Hematite Answer: Iron
- b. Corundum Answer: Aluminum
- c. Cuprite Answer: Copper
- d. Magnetite Answer: Iron
- e. Cassiterite Answer: Tin

13. Cairo, Egypt is larger than Cairo, Georgia. But, FFP each, in the following pairs of cities, which is more populous:

- a. Toledo, Ohio or Toledo, Spain? Answer: Ohio
- b. Birmingham, Alabama or Birmingham, England? Answer: England
- c. San Jose, California or San Jose, Costa Rica? Answer: California
- d. Cambridge, Massachusetts or Cambridge, England? Answer: England
- e. Bethlehem, Pennsylvania or Bethlehem, Jordan? Answer: Pennsylvania

14. (25 Points) During the Constitution's bicentennial year, television stations, newspapers, and magazines all profiled the signers of that document. Let's see if you listened or read. For 5 points each--what state was represented by:

- a. Roger Sherman Answer: Connecticut
- b. Gouverneur Morris Answer: Pennsylvania
- c. Rufus King Answer: Massachusetts
- d. William Paterson Answer: New Jersey
- e. Charles Pinckney Answer: South Carolina

15. (30 Points) The language of science is often intentionally obscure. For 10 points each--what relatively common terms have these more complex definitions:

- a. The sodium salt of a fatty acid. Answer: Soap
- b. An electron cloud with an energy state characterized by given values of quantum numbers. Answer: Orbital
- c. The property of a sample equal to its mass per unit volume. Answer: Density

16. (30 Points) Perhaps the most famous Latin quotation is Caesar's "Veni, vidi, vici." For 10 points apiece--identify the originators of these other classical Latin sayings:

- a. Delenda est Carthago (deh-LEN-da EST car-THAH-go) Answer: Cato the Elder
- b. Jacta alea est (YAHK-ta AH-lee-ah EST) Answer: Julius Caesar
- c. Ultima Thule (ULL-tee-ma THOO-lee) Answer: Vergil

17. Only two men in the history of science can claim to have single-handedly discovered a planet. FTP each--who discovered:

- a. Uranus in 1781? Answer: William Herschel
- b. Pluto in 1930? Answer: Clyde Tombaugh

18. (25 Points) For 10 points each, or 25 points for both:

- a. Which Norse god had only one eye, having given up the other at the well of wisdom? Answer: Odin
- b. Which Norse god had only one hand, the wolf Fenris having bitten off the other? Answer: Tyr or Tiw

19. FTP each--identify these musical signs each of which follows the clef sign and each of which has a two-word name:

- a. These two figures, one above the other, tell which note value equals a count and how many of them are to be in a measure. Answer: Time Signature
- b. These sharps or flats tell which sounds are to be changed to give the feeling of attraction toward the tonic or home note. Answer: Key Signature

20. (30 points) Answer the following questions about judicial events of the 1920's, for 10 points each.

- a. These men were convicted of murdering a paymaster and his guard at a South Braintree, Massachusetts shoe factory. Answer: Sacco and Vanzetti
- b. This man became Chief Justice of the U.S. Supreme Court in 1921. Answer: William Howard Taft
- c. This man prosecuted Tennessee school teacher John Scopes for teaching evolution in the famous "Monkey Trial." Answer: William Jennings Bryan