

Georgia High School State Championship
Armstrong State College
March 11-12, 1988
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Tossups
Round Seven

1. Old ones smell like vinegar and grow little hairs. Nineteenth century users compared them to having fire ants in the stomach. There is no truth to the myth that if you mix one with Coca-Cola, you'll feel drunk. In 1982 Dr. John Vane showed how they work--by inhibiting the production of prostaglandins, a hormone-like substance. For 10 points, what are these things which chemical companies produced ninety billion of last year?

Answer: Aspirin

2. It is a novel about the barriers to understanding between individuals, especially those from different national backgrounds. Although published in 1924, it became famous as an Academy Award winning film in 1984. For 10 points--name this novel by E.M. Forster.

Answer: A Passage to India

3. In man the thumb and big toe each contain two phalanges (fuh-LAN-jeez). The remaining digits each contain three phalanges. For 10 points--how many phalanges does a normal human have?

Answer: Fifty-six

4. He included portraits of Pericles and himself on the shield of Athena in the Parthenon and was thrown into prison for this impiety. For 10 points--name this master sculptor whose Elgin Marbles can be viewed in the British Museum.

Answer: Phidias

5. In chemistry this term refers to the melting of a solid to a liquid; in physics it refers to the reaction between small atomic nuclei to form larger ones. For 10 points--what's the word?

Answer: Fusion

6. Its modern father is Theodore Herzl. In 1897 he convened a Congress at Basel, Switzerland with the purpose of creating a home in Palestine for the Jewish people. For 10 points--name this nationalist movement which the United Nations has equated with racism.

Answer: Zionism

7. This book was successfully dramatized as *Toad of Toad Hall* by A.A. Milne. It is set on a river bank in rural England. For 10 points--name this children's classic by Kenneth Grahame.

Answer: The Wind in the Willows

8. If one traveled due east from Geneva, Switzerland, the first foreign country you'd reach is the same one that you'd first encounter if you traveled due north, due south, or due west. For 10 points--what is that country?

Answer: France

9. The *New York Times* devoted its first sixteen pages to him upon his arrival in America from Europe. His arrival was by boat--it's how he got to Europe that made the big story. For 10 points--who earned all this press coverage in 1927?

Answer: Charles Lindbergh

10. He was named justice of the peace for the District of Columbia in 1801, a position likely to end in political obscurity had his commission not been held up by the new administration's secretary of state. He sued and lost. For 10 points--name this litigant in a famous 1803 court case.

Answer: William Marbury (versus Madison)

11. W.H. Auden wrote lots of poetry but, ftp, what is the most famous collection of poetry dedicated to "Mr. W.H."?

Answer: Shakespeare's Sonnets

12. In 1972 a passage was discovered linking it to the Flint Ridge System, giving it a total length of 306 miles and further enhancing its record as the world's largest cave. For 10 points--name this Kentucky landmark.

Answer: Mammoth Cave

13. They measure 19.5 inches by 5 inches by 7.5 inches and are sheathed with a thick titanium armour around a special insulating material and a stainless steel liner. Despite their nickname, they are now painted bright orange. For 10 points--what is this piece of airline equipment sometimes known as the FDR?

Answer: Flight Data Recorder (accept Black Box or Flight Data Recorder)

14. Aeneas pacified him with a piece of honey cake; Orpheus lulled him to sleep with his music; Hercules overpowered him with his bare hands. For 10 points--name this guardian of Hades, the three-headed dog of Greek mythology.

Answer: Cerberus (do not accept Cerebrus)

15. It's official! France and England have agreed to build a "Chunnel" beneath the English Channel. The ideal location would be the point where the channel is narrowest--only 21 miles across. For 10 points--name this strait.

Answer: Dover, Strait of

16. The last signature on this document is that of William Seward. Its concluding paragraph reads: "Done at the city of Washington, the first day of January, in the year of our Lord One thousand eight hundred and sixty-three, and of the independence of the United States of America the eighty-seventh." For 10 points--name this important Civil War document which is more properly associated with Seward's boss.

Answer: Emancipation Proclamation

17. He was popularly considered the epitome of the mad scientist and, when his lab and factory blew itself to smithereens in 1864, the government refused to let him rebuild--at least on dry land. He then moved his lab to a large barge where he continued to play around with nitroglycerine until, largely by accident, he found a way to make it safe. For 10 points--who was this Swedish inventor?

Answer: Alfred Nobel

18. When Pepin the Short deposed the last Merovingian king of France and had himself elected king in 751, it was quite a promotion. For 10 points--what was Pepin's earlier title, equivalent to that of officer of the household?

Answer: Mayor of the Palace or Major Domus

19. In statistics it is defined as "a value in an ordered set of quantities above and below which falls an equal number of quantities." For 10 points--name this word which also denotes a highway divide.

Answer: Median

20. There are eight Ivy League schools, spread among seven different states. Only one state boasts two Ivy League institutions. For 10 points--in which state would you find both Columbia and Cornell?

Answer: New York

21. A crop failure in Egypt during the reign of Tiberius nearly brought all official and commercial business in Rome to a complete halt. For 10 points--what is the reed-like plant required for transcribing proclamations and records?

Answer: Papyrus

1. (20 points) A conic can be described as the locus of all points P such that the ratio of the distance from P to a fixed point F to the distance from P to a fixed line, d, is a constant, called the eccentricity. I will give the eccentricity, you tell me the name of the conic, for 5 points each:

- a. eccentricity 1 Answer: Parabola
- b. eccentricity 1/2 Answer: Ellipse
- c. eccentricity 0 Answer: Circle
- d. eccentricity 2 Answer: Hyperbola

2. (25 points) We've all heard the story of Ben Franklin proving that lightning was electricity by flying a kite in a thunderstorm. But this was only preliminary to his proof. Old Ben used the conducting kite twine to charge up the earliest model of a capacitor and then showed that the charge was exactly the same as that obtained from static electricity. For 25 points--name this first type of electric capacitor.

Answer: Leyden Jar

3. (20 points) Scientific names for the dinosaurs tend to be very descriptive. For 5 points each--which dinosaurs have names which translate as:

- a. Thunder Lizard Answer: Brontosaurus
- b. Terrible Lizard King Answer: Tyrannosaurus Rex
- c. Three Horned Answer: Triceratops
- d. Covered Lizard Answer: Stegosaurus
- e. Wing Finger Answer: Pterodactyl

4. (30 points) Its operative sentence was: "It is the policy of the United States to give support to free people who are attempting to resist subjugation from armed minorities or from outside forces." For 10 points apiece:

- a. Name this doctrine formulated in 1947.
Answer: Truman Doctrine
- b. The Truman Doctrine was declared in response to Communist pressure on what two countries?
Answer: Greece and Turkey

5. (20 points) If I said Alexander Dumas' The "Blank" of Monte Cristo, you would reply "Count." For 5 points each--supply the noble or royal words which complete these titles:

- a. Eugene O'Neill's The "Blank" Jones Answer: Emperor
- b. Alfred Lord Tennyson's Idylls of the "Blank" Answer: King
- c. Robert Browning's My Last "Blank" Answer: Duchess
- d. Rudyard Kipling's The Man Who Would Be "Blank" Answer: King

6. (20 points) The Indy 500 is long, but for 10 points each, identify these somewhat longer races:

- a. the Alaska dog-sled race won in 1987 by Susan Butcher. Answer: Iditarod
- b. the 2547-mile race which Stephen Roche of Ireland took 115 hours to win last year. Answer: Tour de France

7. (25 points) For 5 points apiece--to which nation do each of these dependencies now belong:

- a. New Caledonia Answer: France
- b. Christmas Island Answer: Australia
- c. Svalbard Answer: Norway
- d. Macau Answer: Portugal
- e. Cayman Islands Answer: Great Britain or England or UK

8. I am looking for a common English word. Your clues will be words from other languages, which mean the same thing as this one-syllable English word. Thirty points if you get it on the first clue; 20 on the second; 10 if you need all three.

- a. The Czech word "robot" means the same thing.
- b. The Italian word "opera" translates as this word.
- c. The English word "wrought" (spelled W-R-O-U-G-H-T) is its past tense.
Answer: Work or Works

9. The Rules Committee of the House of Representatives has been called the third branch of Congress because it decides which bills will reach the floor of the House. Only two House committees have the right to send a bill directly to the floor for a up or down vote without first going through the Rules Committee. For 15 points apiece--name these two House committees.

Answer: Appropriations and Ways and Means

10. (20 points) These two diseases have similar names but quite different natures. For 10 points each--identify:
- This disease is caused by a rickettsia, usually transmitted to man by lice. Rocky Mountain Spotted Fever is sometimes classified as one version.
Answer: Typhus
 - This disease is caused by a bacterium that enters the body via contaminated food or water. Salmonella is a related disease.
Answer: Typhoid Fever
11. (30 points) Oral Roberts, not surprisingly, founded Oral Roberts University. FTP each--what TV evangelist founded:
- Liberty University
Answer: Jerry Falwell
 - Heritage Village
Answer: Jim Bakker
 - The City of Faith Medical Center
Answer: Oral Roberts
12. (25 points) The three unities of drama are derived from a 4th century B.C. treatise titled *Poetics*.
- For 5 points each, name the three dramatic unities.
Answer: Time or One Day, Place or One Setting, and Action or One Plot (accept obvious equivalences)
 - For 10 points--what Greek philosopher wrote *The Poetics*?
Answer: Aristotle
13. (20 points) In a classic statement of patriotism, he declared: "Our country! In her intercourse with foreign nations may she always be in the right; but our country, right or wrong!" For 10 points each:
- Who said it?
Answer: Stephen Decatur
 - Within five years either way, when did Stephen Decatur say it?
Answer: 1815 (accept 1810-1820)
14. (20 points) These two states were bound to be on the winning side in the U.S. Civil War: they were officially represented in both the Confederate and the United States Congresses and, although neither seceded from the Union, both had their own star on the Confederate flag. For 10 points each--what two states were these?
Answer: Missouri and Kentucky
15. (30 points) Our country is officially the United States of America.
- For 20 points, all or nothing, give the official eight-word name for that European country whose capital is London.
Answer: United Kingdom of Great Britain and Northern Ireland
 - For 10 more points, what political entity is joined with England, Scotland, and Northern Ireland to make up the United Kingdom of Great Britain and Northern Ireland?
Answer: Wales
16. (30-20-10) Thirty points are yours for naming them on the first clue; 20 on the second; or 10 if you need all three.
- In 1931, Wolfgang Pauli postulated their existence in order to save the law of conservation of energy.
 - Enrico Fermi gave them a three-syllable Italian name.
 - That name translates as "little neutral ones."
Answer: Neutrinos
17. (30 points) You will be very merry indeed if you can answer this bonus.
- For 5 points--who wrote *The Merry Wives of Windsor*?
Answer: William Shakespeare
 - For 10 points--what 17th century Flemish artist painted *The Merry Toper*?
Answer: Frans Hals
 - Finally, for 15 points-- what Hungarian musician composed *The Merry Widow*?
Answer: Franz Lehar
18. (20 points) If I asked you how hot the tropics are, your answer would be in Centigrade or Fahrenheit. But the term tropic is geographical as well as meteorological. For 20 points--and within two degrees either way, how wide, from north to south is the band called the tropics?
Answer: 47 degrees (accept 45 to 49 degrees)
19. (20 points) His full name was Mikhail Sergeyovich Gorbachev and he was General Secretary of the Communist Party of the Soviet Union. For 10 points each--using your knowledge of the Russian patronymic:
- What was his father's first name?
Answer: Sergey
 - What would Gorbachev's son's middle name be?
Answer: Mikhailovich
20. (30 points) Show how much you know about Ferdinand Magellan by answering the following questions about the explorer:
- For 10 points, give the present-day island nation where he was killed by natives before ending his journey.
Answer: The Philippines
 - For 20 points, identify the man who then led one of Magellan's ships back to Spain to complete the circumnavigation of the globe.
Answer: Juan Sebastian del Caño