

QUARTERFINALS (ROUND 13): TOSSUPS

Bulldog High School Academic Tournament VII

1. A new species of this family was discovered in 1993 in a Vietnamese reserve. These mammals have unbranched, hollow horns that grow throughout life and are never shed. Typically nomadic, most members run swiftly; North American species include the bison and musk-ox. FTP, name this family that includes sheep, goats, and cows.

ANSWER: Bovidae or bovines

2. His villa at Strawberry Hill was noted for its architecture, art collection, and printing press. He wrote about art history in his *Anecdotes of Painting in England*, but is better known for the first Gothic novel, *The Castle of Otranto*. FTP, name this author and son of a British Prime Minister.

ANSWER: Horace Walpole, 4th Earl of Oxford

3. Pog-gen-dorff. Zoell-ner. Hering. Ponzo. Mueller-Lyer. The Koenig necklace. The Necker cube. These are all examples of, FTP, what Gestalt tricks where the normal processing of visual stimuli cause the brain to perceive something false as true?

ANSWER: optical illusions or visual illusions

4. Unlike most cities, it experienced two springs in 1968. One saw the winter end, but the more horrific one led to the capture of Alexander Dubcek and the permanent presence of Soviet troops. FTP identify this city that Warsaw Pact forces invaded in an effort to thwart the growing democratic reform movement in the capital of Czechoslovakia.

ANSWER: Prague

5. This compound's molecular weight varies between 700 and 900, depending on its form. It can be used as an anti-knocking agent in gasoline, and as a developing agent in photography. FTP, name this compound, which occurs in *a*, *b*, *c*, and *e* varieties, that contains a magnesium ion, and is the central photosynthetic pigment.

ANSWER: chlorophyll

6. This composer of *Prague Carnival* began losing his hearing and balance because of syphilis. Late in life, his memory and intellectual capacities began to deteriorate; in 1884, he became so violent he was taken to Prague's lunatic asylum, where he died that year. FTP, name this Bohemian composer who wrote *From My Life*, *The Bartered Bride*, and *The Moldau*.

ANSWER: Bedrich Smetana

7. Benjamin Brewster. Harlan Stone. Francis Biddle. Robert Kennedy. Edwin Meese. But none of these men were responsible for the massacre at Waco. FAQTP, what cabinet post did these men hold, currently filled by somewhat manly woman, Janet Reno?

ANSWER: Attorney General of the United States

8. This current NBA coach came to Yale his freshman year with three objectives: to date fellow freshman Jodi Foster, to make the varsity basketball team, and to tunnel his way into Skull and Bones. He failed in all three quests and transferred to a junior college. FTP identify this coach who supervises Patrick Ewing and the New York Knicks.

ANSWER: Jeff Van Gundy

9. North Carolina author Charles Frazier has made headlines with this book, his first novel. It tells the story of Inman, a Confederate deserter who journeys 300 miles home to his lost love, Ada. Anthony Minghella, the director of *The English Patient*, has agreed to develop a movie from it. FTP name this Civil War love story that was #1 on the bestseller list for several weeks in 1997.

ANSWER: Cold Mountain

10. Writing implement and paper ready! The lengths of two sides of a triangle are 6 and 8. The angle between these two sides is 30 degrees. FAQTP, what is the area of this triangle in square units? *You have 10 seconds to buzz in.*

ANSWER: 12 square units

11. It can describe a second-order differential equation that is equal to zero; it also describes first-order differential equations that can be expressed in terms of y over x . This term is more commonly used in chemistry to denote matter that is of constant composition throughout. FTP, what is this term that describes processed milk?

ANSWER: homogeneous [ACC: homogenized after "milk"]

12. One of the most quoted but least read authors of war theory, this German's *On War*, unfinished at his death in 1831, emphasizes the importance of chance and genius in the conduct of war. FTP, name this man, a major influence on realist politicians such as Otto von Bismarck, most famous for stating, "War is but the continuation of policy by other means."

ANSWER: Carl von Clausewitz

13. Priestesses of this goddess were entrusted with the storage of wills and other sensitive documents. These priestesses were also responsible for keeping burning the eternal flame said to represent Rome's welfare. Those who broke their vows of chastity suffered the worst possible punishment: burial alive. FTP, identify this Roman goddess of the home and hearth.

ANSWER: Vesta [don't accept Hestia]

14. This effect is dependent on the frequency of the light used, but is independent of its intensity. When ultraviolet light with a sufficiently high frequency is shined upon the surface of a metal, electrons are liberated from the surface. FTP, name this effect, whose explanation earned Albert Einstein a Nobel Prize.

ANSWER: the photoelectric effect

15. Born in 1898, he was unpopular with the Nazis because of his openly Marxist sympathies and his antimilitarism. He left Germany in 1933, and he lived in Scandinavia and the United States until the end of World War II. FTP name this author of *The Good Woman of Szechuan*, *The Caucasian Chalk Circle*, and *Mother Courage and Her Children*.

ANSWER: Bertolt Brecht

16. They extend in an arc about 750 miles from the Gulf of Genoa in the southwest to Vienna in the northeast. Giving rise to both the Rhine and the Rhone Rivers, they are home to the St. Gotthard Tunnel in Switzerland, which is the world's longest highway tunnel. FTP identify this mountain range that is home to Mont Blanc and the Matterhorn.

ANSWER: The Alps

17. This actor, who played Mr. Skolnick in *Revenge of the Nerds*, also appears in the recently-released *Scream 2*, and is slated to appear in *Species 2* and *Babe: Pig in the City*. FTP, name this actor, who shares his last name with a Lord Protector.

ANSWER: James Cromwell

18. Because of Pergonal, the state of Iowa recently got a little more attention than it had been used to. On November 19, 1997, Doctors Paula Mahone and Karen Drake delivered seven babies at once to this Hawkeye state resident. FTP, give the name of the first mother of healthy septuplets.

ANSWER: Bobbi McCaughey

19. Not only a great general and admiral, he was also a patron of public works and was responsible for the restoration and construction of many Roman structures, including the first public bath complex and the Pantheon. Oddly, he never became emperor, though he was next in line until his death in 13 BC. FTP, name this Roman, right-hand man to emperor Augustus.

ANSWER: Marcus Vipsanius Agrippa

20. Born in London in 1697 he was apprenticed to a silversmith before entering business on his own in 1720. In 1724 he entered art school and began engraving. In 1730, he began painting the satirical political works that made him famous. FTP, name this creator of *A Rake's Progress* and *Marriage à la Mode*.

ANSWER: William Hogarth

21. It had sales totaling about \$60 million last year, and the Frito-Lay unit of Pepsico recently announced its plans to buy it from its parent, Borden Foods. FTP, name this 104-year old brand of snack, a candy-coated mix of popcorn and peanuts referred to in the song "Take me out to the Ballgame" and known for the prize toy found in each box.

ANSWER: Cracker Jack (accept the plural, Cracker Jacks)

22. Under the pseudonym Andrzej Jawien (ON-dredge YA-veen), this poet published the play *The Jeweler's Shop*. He is better known by yet another pseudonym, though, assumed in 1978. He earned a Ph.D. from Rome's Angelicum Institut, and his doctorate in theology from the Catholic University of Lublin. FTP, name this man, born Karol Wojtyla [VOY-ty-la] in 1920, who was elected pope in 1978,

ANSWER: Pope John Paul II

23. *Old New York*, the recently-discovered *Cruise of the Vanitas*, *The Custom of the Country*, and *The House of Mirth*. These were all written by a New Yorker who in her novels depicted the contradictions of a society caught up in the passionless Victorian era. FTP, name this author of *Ethan Frome* and *The Age of Innocence*.

ANSWER: Edith Newbold Wharton

QUARTERFINALS (ROUND 13): BONI

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1. AUDIO BONUS.

Given a work heard in a movie score, identify the work *or* its composer, 10 points each.

- a. [Clip #1] ANSWER: Adagio for Strings by Samuel Barber
- b. [Clip #2] ANSWER: Canon in D by Johann Pachelbel
- c. [Clip #3] ANSWER: Peer Gynt by Edvard Grieg
[ACC: In the Hall of the Mountain King]

2. October 24, 1945 was the first day nations could officially join the United Nations. That day, 3 African nations joined.

- a. For 5 points each, name any *two* of the three.
ANSWER: Egypt, Ethiopia, and Liberia
- b. For 5 points each, name any *two* of the three Caribbean nations who joined that day.
ANSWER: Cuba, Haiti, and the Dominican Republic
- c. For 10 points, name the newest UN member with capital at Koror.
ANSWER: Palau

3. For the stated number of points, given the Greek kingdom, name the hero from Homer's *Iliad* who ruled it.

- 5: Ithaka ANSWER: Odysseus [Homer did not write about Ulysses]
- 10: Lakedaimon ANSWER: Menelaus
- 15: Pylos ANSWER: Nestor

4. For 5 points each, name *both* teams in the 1997 World Series.

ANSWER: Cleveland and/or Indians, and Florida and/or Marlins

For 10 points, name *either* of the two 1997 Marlins who played with his team since its inception.

ANSWER: Jeff Conine or Alex Arias

For a final 10 points, within 2, how many runs were scored in the highest-scoring game of the series?

ANSWER: 25 [ACC: 23 or 27]

5. Five points for one, and 15 for both, in what play by what author would you find Henry Higgins and Eliza Doolittle?

ANSWER: Pygmalion by George Bernard Shaw

Now, for 10 points, in Greek mythology, what was the name of the statue carved by Pygmalion, and for 5 points, who brought her to life?

ANSWER: Galatea [10], brought to life by Aphrodite [5]

6. Given one of a pair of lovers, from Greek mythology, name the other, FTPE.

- a. Hero ANSWER: Leander
- b. Baucis ANSWER: Philemon
- c. Cupid ANSWER: Psyche

7. Given a description of an Article of or Amendment to the United States Constitution, give the number, 10 points each.

- a. Before this Amendment, the Bill of Rights were viewed as applying only to the Federal Government and not to the states. This Amendment also barred states from denying the equal protection of the laws to any citizen.
ANSWER: Amendment 14
- b. This Article of the Constitution describes the power and role of the judiciary, including the establishment of a Supreme Court.
ANSWER: Article 3
- c. This Article outlines that procedures used to introduce and ratify Amendments to the Constitution.
ANSWER: Article 5

8. For 10 points each, identify the geology term from a definition.

- a. A coral island consisting of a reef surrounding a lagoon.
ANSWER: atoll
- b. Accumulation of rock debris carried or deposited by a glacier.
ANSWER: moraine
- c. The scientific study of caves
ANSWER: speleology [spelunking is the hobby or practice of exploring caves]

9. Answer these questions about *Dilbert*, for the stated number of points.

- 5: Who is the creator and artist behind Dilbert?
ANSWER: Scott Adams
- 10: For what telephone company did Scott Adams work while first drawing Dilbert?
ANSWER: Pacific Bell Communications, Inc. or PacBell
- 15: Name the newest *Dilbert* book, whose name is a parody of a self-help book's title.
ANSWER: Seven Years of Highly Defective People

10. Identify tolerably well-known former or current Yale undergraduates for 10 points each.

- a. This Democratic mayor of Baltimore established a "living wage" for city employees.
ANSWER: Kurt L. Schmoke
- b. Graduating in 1997, this actress starred in *Poison Ivy* and was a regular on *Roseanne*.
ANSWER: Sara Gilbert [ACC: Rebecca Sara MacMahon]
- c. Host of PBS's *Firing Line* and founder of the *National Review*, this conservative editor and author was chairman of the *Yale Daily News*.
ANSWER: William Frank Buckley, Jr.

11. For 10 points, name the 1997 Steven Spielberg movie based on the book *Slave Mutiny*.

ANSWER: Amistad

For 10 points, name the conservative film critic who lambasted *Amistad*'s "educational guide" as "warping history and misleading students."

ANSWER: Michael Medved

An author sued DreamWorks to halt release of the movie for copyright infringement; she herself was then accused of plagiarism in her novels. For 10 points, name her.

ANSWER: Barbara Chase-Riboud

12. FTP each, given a year and a post, name the member of Franklin D. Roosevelt's cabinet.

- a. Secretary of the Navy, 1944
ANSWER: James Vincent Forrestal
- b. Head of the Works Progress Administration, 1933
ANSWER: Harold Leclair Ickes
- c. Secretary of Labor, 1938
ANSWER: Frances Perkins

13. VISUAL BONUS.

You have been given a circuit diagram. For 10 points each, calculate the following. *You have 10 seconds per part.*

- a. The equivalent resistance in ohms of the resistors in box A. ANSWER: 1 ohms
- b. The equivalent resistance in ohms of the resistors in box B. ANSWER: 4 ohms
- c. The current in amperes across each resistor. ANSWER: 2 amperes

14. It's time to test your metal. Answer these questions on iron and steel, 10 points each.

- a. One by-product of steel furnaces is CaSiO_3 . What four-letter term is given to this product?
ANSWER: slag
- b. What term is given to iron that is contaminated by sulfur, phosphorus, and silicon?
ANSWER: pig iron
- c. For five points each, identify the two metals added to iron to make stainless steel.
ANSWER: chromium (Cr) and nickel (Ni)

15. Given a definition from Ambrose Bierce's 1911 *Devil's Dictionary*, identify the word for 15 points, or 5 points, if you need the first letter.

- a. 15: "An invention of the devil which abrogates some of the advantages of making a disagreeable person keep his distance."
5: "T"
ANSWER: telephone
- b. 15: A rich old gentleman who has trained himself to grin while his conscience is picking his pocket.
5: "P"
ANSWER: philanthropist

16. Answer the following questions about a special facet of North Carolina's history FTP each.

- a. These crusaders fought against exorbitant legal fees, excessive taxes and corruption in the frontier counties of North Carolina from 1764-1771. Their bitterness against the local government led them to fight as loyalists during the Revolutionary War.
ANSWER: The Regulators of North Carolina
- b. The Regulator Insurrection was crushed at this 1771 battle. As a result, many rebellious frontiersmen fled to Tennessee while others stuck to a doomed agitation campaign for the next five years..
ANSWER: The Battle of Alamance
- c. This governor of North Carolina led the campaign to crush the Regulators.
ANSWER: William Tyron

17. 30-20-10. Identify the painter.

- 30: During his lifetime, he sold only 1 painting, *The Red Vineyard*.
- 20: In 1990, his *Portrait of Dr. Gachet* sold for \$82.5 million.
- 10: In 1987, his *Irises* sold for \$49 million.
ANSWER: Vincent Van Gogh

18. Answer the following related things for 10 points each.

- a. What 1996 summer film saw Bill Pullman as the American President?
ANSWER: Independence Day [prompt on "ID4"]
- b. A book with that same title won the 1996 Pulitzer Prize for Fiction. Name the man from Mississippi who wrote the novel *Independence Day*.
ANSWER: Richard Ford
- c. 1998 marks the 50th anniversary of what sturdy Ford vehicle?
ANSWER: F-series truck

19. Identify the 20th century *poet* from lines of poetry, 10 points each.

- a. "Do not go gentle into that good night!"
ANSWER: Dylan Thomas
- b. "When a vast image out of *Spiritus Mundi*/Troubles my sight."
ANSWER: William Butler Yeats [yates], "The Second Coming"
- c. "I think that I shall never see/A poem as lovely as a tree."
ANSWER: Joyce Kilmer

20. Islam recognizes five pillars, or responsibilities of believers. For five points each, and a five point bonus for all correct, list the five commonly accepted pillars.

ANSWER: shahadah or affirmation of faith, salat or five daily prayers, sawm or fasting during Ramadan, zakat or charity, hajj or pilgrimage to Mecca [ACC: English equivalents]

21. Answer the following questions about the Trial of the Chicago Seven FTP apiece.

- a. The seven were indicted on charges of conspiring to incite riots in Chicago during what event?
ANSWER: 1968 Democratic National Convention (prompt on Democratic Convention)
- b. A founder of the radical Youth International Party, this "Yippie" defendant eventually turned away from fringe politics in the 1970's and got involved in the human-potential movement. He died of a heart attack in November 1994, two weeks after being hit by a car while jaywalking.
ANSWER: Jerry Rubin
- c. This fellow "Yippie" defendant was charged with selling cocaine in 1973. He got plastic surgery and moved underground. He resurfaced in 1980 and served a year in prison before working as an environmental activist. His books include *Steal This Book* and *Soon to be a Motion Picture*.
ANSWER: Abbie Hoffman

22. DNA can be transmitted between bacteria in several ways. Given a description of a method, give its name, 15 points each.

- a. A bacteriophage injects DNA into a bacterial cell
ANSWER: transduction
- b. Foreign DNA is taken up by bacterial cells. Sometime the cells are known as "super-competent."
ANSWER: transformation

23. For 10 points each, given the country, name the capital, which all *end* with the letter "A."

- a. Slovakia
ANSWER: Bratislava
- b. Bangladesh
ANSWER: Dhaka
- c. Eritrea
ANSWER: Asmara