

### Berkeley #3 Toss-ups and Bonuses

High School Academic Buzzer Competition Alliance 1997 for use at Cal Classic, Terrapin Classic, etc.

Questions by Katy, Steve, Gaius, Dhammika, Partha, and Haggai.

1. As of 1994, inhabitants of many areas of Belarus and the Ukraine could still not drink the water or consume locally produced milk, meat, fruits, or vegetables. And although official figures claim that only 31 people initially died from over-exposure it is estimated that at least 24,000 people received lethal doses of radiation as the result of an accident in 1986 at, FTP, what nuclear power plant in the former Soviet Union?

Ans: CHERNOBYL

2. The giant weta, the Monterey century plant, the Bladderpod, the Partula snail, the ivory-billed woodpecker, the Arizona century plant, the black rhinoceros, the white rhinoceros, Kemp's ridley sea turtle, the snow leopard and the Gray wolf. FTP, give the two-word that describes the condition of organisms which are on the brink of extinction.

Ans: ENDANGERED SPECIES

3. One of the most memorable passages in this play is surprisingly not uttered by one of the two main characters but by Lucky, the servant of the rich man Pozzo who pass by while the two main characters, Vladimir and Estragon are doing nothing in particular as they have done and will continue to do throughout the play. FTP, identify this play by Samuel Beckett whose title character never does appear.

Ans: -WAITING FOR GODOT-

4. Early in the American Revolution, the British held Boston and could only be dislodged with artillery. Due to the heroism of Ethan Allen, a source of cannon was obtained by a surprise assault on this fort. After this, it fell to Henry Knox to drag the cannon from what fortress to Boston, the mere sight of which caused the British to evacuate?

Ans: Fort TICONDEROGA

5. These intracellular organelles are thought to have arisen when a small, photosynthesizing bacterium was absorbed by a larger cell, resulting in a symbiotic relationship. These structures each contain a circular chromosome and a network of membranous stacks of discs termed thylakoids. FTP, what are these chlorophyll-containing structures found in all plants?

Ans: CHLOROPLASTS

6. Name is the same: the simplest figure to connect a set of points in space; a Roman Catholic headdress for funerals and Good Friday; a method in the mathematical theory of linear optimization; and for you sexually obsessed high school kids, a kind of herpes virus. FTP, what word matches all these definitions?

Ans: SIMPLEX

7. A fur trader in Labrador prior to World War I, he experimented with ways of keeping foods fresh for long periods of time. Eventually his ideas caught on and he sold the patent to his most famous innovation to General Foods in 1929, making his name a household word. For ten points, name this innovator of "quick-freeze" foods.

Ans: Clarence BIRDSEYE

8. Any mixture of materials can be referred to colloquially as anti amalgam". But formally speaking, an amalgam must include, FTP, what chemical element?

Ans: MERCURY

9. This prince tricked his captors into holding a horse race to see which steed was the swiftest. Once he learned, he used that horse to escape and raise a rebellion on behalf of his father, Henry III who was being held captive by the nobles under Simon de Montfort. After Henry III died, he became king and earned the nickname "Hammer of the Scots." He also conquered Wales. FTP, who was this king whose sissy of a son undid all of his achievements by losing Bannockburn?

Ans: EDWARD I or Longshanks

10. Myth says that Perseus founded this city with the help of some Cyclopes (sigh clo paze). A mushroom sprang up to relieve the parched Perseus of thirst, thus lending a name to the city. Later kings include Atreus and Agamemnon. FTP what was this famous golden city, considered by some the capital of an early Greek kingdom?

Ans: MYCENAE

11. In the 1960's, he gave us "Instant Replay." In the 1980's, he brought us "Distant Replay." FTP, what Green Bay guard-turned-author threw the block that allowed Bart Starr to score the winning touchdown in the 1966 NFL Championship game?

Ans: Gerald Louis "Jerry" KRAMER

12. Name is the same: The surname of an American baritone who died in 1960, during a performance of Verdi's "The Force of Destiny" at the Metropolitan Opera; the Bakersfield, California native who as governor of CA, ran as Dewey's running mate in the 1948 Presidential election, and the first name of our corrupt 29th president, elected in 1920. FTP, what is the shared name?

ANS: Warren

13. Ocean detectives think they have discovered the -Queen Anne's Revenge-, the flagship of this infamous pirate. The ship sank in June 1718 after it ran aground on a sandbar, and by the end of 1718, Colonel Maynard had slain its bloodthirsty captain and cut off his head. FTP, what most notorious pirate was this who terrorized the Carolina coasts for several years, and sometimes wore firecrackers in his facial hair to intimidate crew and prisoner alike?

Ans: Blackbeard or Edward TEACH

14. You'll have to have all of your teeth pulled out after eating the Savoy variety of these, according to the Beatles. Known scientifically as *Tuber melanosporum*, this fungus of the truffle family develops underground fruits that emit a delicious smell, attracting animals such as pigs to dig them up and disperse their spores. Gourmet chefs pay as much as \$600 per pound for these fungi, which share their name with a similarly-shaped variety of chocolate. FTP, what are they?

Ans: TRUFFLE

15. The elder to bear this name was elected to the office of censor, from which he set about reviving Rome's lax morals, though he himself was a hypocrite and total bastard. The younger, and a descendent of the elder, was thwarted in his bid for the consulship and never rose above praetor (prator), but fought Caesar bitterly, before committing suicide at Thapsus. FTP, what common name was shared by these Roman statesmen, famous for their respective rigid opposition to Carthage and Caesar?

Ans: Marcus Porcius CATO

16. - The Burden and the Glory, "To Turn the Tide", -The Strategy of Peace\_, "A Nation of Immigrants", - Why England Slept-, and -Profiles in Courage-. For ten points, which U.S. President wrote all these works?

Ans: John Fitzgerald KENNEDY

17. Movie history might have been significantly altered had Tom Selleck accepted this role that was offered to him in 1980. Since he was already committed to the TV show Magnum PI, Selleck turned it down. Director Steven Spielberg ended up casting Harrison Ford, who had been in several movies made by Spielberg's pal George Lucas. FTP, what character made his first appearance in the 1981 Spielberg/Lucas classic "Raiders of the Lost Ark?"

Ans: Indiana JONES

18. This great general, along with Bernardo O' Higgins played a major role in the liberation of the Southernmost end of South America from Spanish rule. After he defeated the Spanish in 1817 in Chile, he went north, but after a conference with Simon Bolivar, he withdrew and allowed Bolivar to complete the liberation of the continent. FTP, who was this liberator of Chile, Peru, and Argentina?

Ans: Jose de SAN MARTIN

19. This common mathematical term can mean two different things. In one sense, it refers to a line that intersects a circle in exactly two points. In trigonometry, given an angle in a right triangle, it's the ratio of the length of the hypotenuse to the length of the side adjacent to the angle. FTP, what is this term that signifies the reciprocal of the cosine function?

Ans: SECANT

20. This seventeenth and eighteenth-century British writer was noted for his "Journal of the Plague Year." He is best known, however, for "Moll Flanders" and a book chronicling the life of a shipwrecked sailor. FTP, what author penned "Robinson Crusoe"?

Ans: Daniel DEFOE

21. When John Kendrew solved the first X-ray structure of this type of molecule, he was disappointed that it was "hideous and visceral-looking," unlike the uniform structure of DNA. In fact, a great diversity of size and shapes allows these molecules to act as extremely flexible and adaptable catalysts. FTP, what are these major biological polymers, consisting of amino acids?

Answer: PROTEINS

22. The name's the same: a minor character in literature that makes another seem better by contrast, a thin sheet of metal, and a flexible four-sided sword having a blunt point. FTP, what's the common term?

Ans: FOIL

23. Edward Albee wrote "Who's Afraid of Virginia Woolf," and the Three Little Pigs sang "Who's Afraid of the Big Bad Wolf," but-for five points--what band had a No. 3 hit called "Hungry Like the Wolf"?

Ans:DURAN DURAN

24. The vivacious Elizabeth Bennett is both fascinated and repulsed by the arrogant, acrid-tongued Mr. Darcy. Meanwhile, her mother tries to make sure that all of the Bennett sisters obtain eligible husbands in what famous Jane Austen novel?

Ans:PRIDE AND PREJUDICE

25. It was first tried out in Germany in 1881 and then was refined and repeated in the united states 6yrs later by the two physicsists it is named after. it was an attempt to use an optical interferometer to measure the speed of light in two perpendicular directions to detect if there was a difference in speed due to the motion of the earth. FTP name the two physicists and you have named this experiment which discredited "ether theories" of light propagation and was consistent with the theory of relativity".

ANS:Michelson Morley experiment

## BONI

1. Identify the chemical law based on a description of one of its properties FTP each (Note to moderator: do not give the answers until the end of the bonus.)

A one degree temperature increase results in the same volume decrease when pressure is kept fixed.

### CHARLES'S LAW

If the temperature of a gas is kept constant and its volume is decreased, then the pressure increases.

### BOYLE'S LAW

If the amount of gas is doubled while the pressure and temperature are kept the same, the volume doubles.

### IDEAL GAS LAW

2. Name the poet from works 30-20-10-5

30 The Sound of the Trees, A Considerable Speck, My November Guest

20 A Time to Talk, A Patch of Old Snow, The Death of the Hired Man

10 The Mending Wall, The Road Not Taken

5 Stopping by Woods on a Snowy Evening

Robert FROST

3. Given a minor character in children's literature, give the author who created him or her FTP each. You will receive five points if you need a work in which he/she appears.

10 Wendy Darling

5 Peter Pan

Ans: J.M. BARRIE

10 Aunt Em

5 The Wizard of Oz

Ans: L. Frank BAUM

10 Mrs. Who

5 A Wrinkle in Time

Ans: Madeline L'ENGLE

4. I will name 2 movies that an actor or actress has appeared in, winning Academy Awards for the roles in both movies. You name the actor/actress.

1. Norma Rae, Places in the Heart

Answer: Sally FIELD

2. Morning Glory, The Lion in Winter

Answer: KATHERINE HEPBURN (prompt on Hepburn)

3. Sergeant York, High Noon

Answer: Gary COOPER

5. In the Civil War, several flamboyant personalities suffered defeat at the hands of Robert E. Lee. Identify the following Union generals whom Lee defeated at each of these battles FTP each:

A) 2nd Bull Run

John POPE

B) The Wilderness Campaign

George McCLELLAN

C) Chancellorsville -- where Lee had the help of Gen. Jackson.

Fighting Joe HOOKER

6. Given a list of words, identify the word that combines in the front or back of each to form another word or word phrase FTP each.

hot, famine, sweet, chip POTATO

castle, storm, bag, man SAND

faith, date, spot, duck BLIND

7. Given a description, name the person or god who helped the following heroes 5,10,15:

5) This goddess gave Bellerophon a bridle with which to tame Pegasus.

ATHENA or MINERVA

10) This goddess became patroness to Jason after he helped her across a river.

HERA or JUNO

15) This nephew of Heracles helped him slay the hydra by holding a torch while Heracles clubbed the heads.

Ans: IPHICLES

8. Given the US bill, please tell us what is depicted on the back FTP. For example, if I said the \$10 bill, you would say the US Treasury Building. \$2 bill

A: Signing of the DECLARATION of Independence

\$50 bill

A:United State CAPITOL Building  
\$100bill  
A:INDEPENDENCE HALL

9. After the US won the Mexican war, we took about half of Mexico's territory and paid them for it. That territory -- not counting the Texas annexation from before the war - comprises some or all of 7 states today. For five points each, identify any 6 of those 7 states.

Ans: ARIZONA, CALIFORNIA, COLORADO, NEVADA, NEW MEXICO, UTAH,  
WYOMING

10. The Los Angeles Dodgers probably have the greatest minor league system in baseball history. A Dodger has just been named National League Rookie of the Year, for the 16th time overall and the 5th year in a row. For five points each, name these last 5 winners, with a five point bonus for getting all five.

A:Todd -HOLLANDSWORTH\_, Hideo -NOMO\_, Raul -MONDESI\_, Mike -PIAZZA\_, and  
Eric \_KARROS-

11. Identify the novel 30-20-10.

30. This novel is subtitled "A Story of the Buried Life".

20. It takes place in the town of Altamont in the state of Catawba,  
supposedly a model for Asheville, North Carolina, where the author grew up.

10. The main character of this 1929 Thomas Wolfe novel is Eugene Gant.

Answer:-Look Homeward Angel-

12. Answer these math questions for ten points each:

1. What is the sum of the integers from 1 through 100?

Answer: 5050

2. How many ways are there to arrange 6 different keys on a keyring?

Answer: 120

3. What mathematician recently proved Fermat's Last Theorem?

Answer: Andrew -Wiles-

13. Identify the composers of these works for 10 points each.

1. Pictures at an Exhibition

Answer: Modest -Mussorgsky-



2.The opera -Fidelio-

Answer:Ludwig von -Beethoven-

3.The ballet Petrushka

Answer:Igor -Stravinsky-

14. Tho American South has provided us with a number of original and idiomatic expressions that have enriched our English language. I'll

giveyou definitions of insulting terms from the South, you tell me whatwords I'm looking for. 10 points for each correct answer.

A)This term was used to refer to those Northern politicians and adventurers who migrated to the South to take advantage of the unsettled situation following the Civil War.

Ans:CARPETBAGGER

B) This term was used to refer to those white Southerners who rejoined the Republican Party and collaborated with federal Reconstruction policy.

Ans: SCALAWAG

C) Both of these terms were popular during what era, which some Southerners consider "occupation" when the federal government enforced laws upon the South in order to maintain control over the area up until 1877?

Ans:RECONSTRUCTION

15. Given some famous literary characters, name the author who created them FTP. If you need the names of the corresponding works that those characters appeared in, you'll get five points for naming the correct author.

(10)Montresor, Prince Prospero

(5)"The Cask of Amontillado," "The Masque of the Red Death"

Edgar Allan POE

(10)Nick Carraway, Dick Diver

(5)"The Great Gatsby," "Tender is the Night"

F.Scott FITZGERALD,

(10)Fredric Henry, Santiago

(5)"A Farewell to Arms," "The Old Man and the Sea"

Ernest HEMINGWAY

16. The Eastern Orthodox Church includes 9 Patriarchates, two of which arethose of Constantinople and Russia. Name any 6 of the other 7.

Ans:ANTIOCH, ALEXANDRIA JERUSALEM (accept Palestine),  
GEORGIA,SERBIA BULGARIA, ROMANIA

17. Given the name of an university, give the surname of the person after whom the School of Public Policy (or equivalent institution) of that university is named (for stated number of points):

5) Harvard

John KENNEDY

10) Texas at Austin

Lyndon B JOHNSON

15) Minnesota at Twin Cities

Hubert HUMPHREY

18. A mind is a terrible thing to waste, but if you can't answer these questions about waste and wastelands, your team's chances may just waste away. For 10 points each, tell me: 1) In what country is the town of Arica, which had no measurable rainfall for 14 consecutive years?

Ans: CHILE

2)What state leads the U.S. in number of hazardous waste sites?

Ans:NEW JERSEY

3)Who wrote "The Wasteland" ?

Ans:T.S. ELIOT

19. I will give you a British monarch. You name the monarch to succeed him. HINT: the successor will not have the same name. There is a 5 point bonus for correctly naming all.

A) John HENRY III

B) Edward VIII GEORGE VI

C) Edward the Confessor HAROLD II or Harold GODWINSON

D) Richard 11 HENRYIV

E) William IV VICTORIA

20. If I told you that I flew from LAX to JFK, I'd be telling you, using pairs of three-letter international airport codes, that I flew from Los Angeles to New York City. I'll give you three pairs of airport codes; in each case, you tell me what cities I mean. Each correct city is worth 5 points.

1)ORD to STL.

Ans:CHICAGO, Illinois to ST. LOUIS, Missouri

2)SEA to RNO.

Ans:SEATTLE, Washington to RENO, Nevada

3)SAN to SAT.

Ans:SAN DIEGO, California to SAN ANTONIO, Texas

21. I will list for you five figures from Greek myth. You identify them as Trojans, Greeks (who fought at Troy), or NOT at Troy at all.

- |               |             |
|---------------|-------------|
| A)Neoptolemus | GREEK       |
| B)Hecuba      | TROJAN      |
| C)Telamon     | NOT AT TROY |
| D)Peleus      | NOT AT TROY |
| E)Antilochus  | GREEK       |

22. This bonus is on flags from around the world. Hint: All the flags described consist of only red and white. For example, if I said "A red square flag with a white cross in the middle." you would say Switzerland. For 5 points each, identify the following:

A.Three equal horizontal stripes, the middle white, the others red.

AUSTRIA

B. A red flag with a white circle in the center. In the white circle is a red crescent moon and a star -- both red.

TUNISIA

C.Two horizontal equal stripes: top is white, bottom is red.

POLAND

D. A red flag with a white crescent moon and star on it, both a little off-center closer to the flagpole.

TURKEY

E and F. These two countries have the same flag: a Reverse Poland. The top stripe is white, the bottom is red.

MONACO and INDONESIA

(note:others include Japan, Canada, Tonga, Singapore, Denmark, Bahrain)