

1996 Cardinal Classic VI Caltech A Packet-Tossups

1. This American artist was a legislator, treasurer, and adjutant general of ^{Missouri?} Mississippi, but he is better known for his vigorous and highly representative paintings of the Mississippi and Missouri river regions. FTP, who painted Daniel Boone Coming Through the Cumberland Gap, and Fur Traders Descending the Mississippi.

A. George Caleb BINGHAM

2. When astronomer Fred Hoyle coined this phrase in 1950, he intended it as a term of ridicule for a type of theory in which he did not believe. For ten points, give this now-widely-accepted name for something perhaps better known to Bill Watterson fans as the Horrendous Space Ka-blooie.

A. BIG BANG

3. This island has been colonized by both the British and the Dutch, and it was occupied by Japan during World War II, but today it is divided between Indonesia, Malaysia, and the sultanate of Brunei. For ten points, name this island, the third largest in the world.

A. BORNEO

4. Over his 55-year career as head coach at the same Louisiana university, this man has led his AA Tigers to more victories than any other coach in college football. FTP, name this Grambling University head coach.

A. Eddie ROBINSON

5. Traditionally, he kills his own baby, then his wife, then the policeman who comes to arrest him, then the hangman who comes to hang him. He fends off a ghost and a crocodile attack, and then kills the Devil himself. For ten points, give the English name of this violent glove puppet who has been in show business for over two hundred years.

A. PUNCH or PUNCHINELLO

6. In the country where the feminist writer Taslima Nasrin had to flee to Sweden to escape Islamic militants, it's surprising to discover that both the prime minister and her major political rival are women. FTP, name this country, currently led by Prime Minister Khaleda Zia.

A. BANGLADESH

7. She was formed from a hair that Shiva threw to the earth. She is typically depicted in statues as having a long tongue, and she is usually holding a man whose abdomen is ripped open. For ten points, identify this demon goddess whose name is the Sanskrit word for "black".

A. KALI

8. If you ascend from the Earth's surface, you will notice that the air gets colder as you rise higher until you reach this point, above which the temperature will be roughly constant for a while. For ten points, name the boundary between the troposphere and the stratosphere.

A. TROPOPAUSE

9. The last chapter of the American printing of this novel was abruptly excised, possibly because American audiences would never accept that a violent criminal could reform himself. The truncated plot and unredeemed protagonist were used in the movie version. FTP, name this classic novel by Anthony Burgess.

A. A CLOCKWORK ORANGE

10. On the same night that John Wilkes Booth assassinated Abraham Lincoln, this man was stabbed in the throat by one of Booth's co-conspirators. For ten points, name this Secretary of State, who survived the attack and continued in his Cabinet post under Andrew Johnson.

A. William Henry SEWARD

11. This movie was recently released in China with the title, "Devil Emperor of Children." In the U.S. it had a far more innocent title, though it dealt with psychopaths, renegade cops, ferrets, and brain tumors. FTP, name this Schwarzenegger comedy.

A. KINDERGARTEN COP

12. This English economist was a friend of Thomas Malthus and had some similar ideas. He suggested that if the real wages of the working class ever rose, the poor would have more children, increasing the labor supply and causing salaries to fall again. FTP, name this inventor of "The Iron Law of Wages".

A. David RICARDO

13. A human child raised on Mars is taken under the wing of a gruff old author and amazes him with his superhuman abilities in this novel, which features a trio of secretaries

named Anne, Miriam, and Dorcas. FTP, name this science-fiction classic, which brought the word grok to the English language.

A. STRANGER IN A STRANGE LAND

14. This independent candidate did well enough to get reimbursement from the government, but not well enough to stop the Republicans from taking the White House as well as the Senate that year. FTP, name this candidate who was trounced by Ronald Reagan in 1980.

A. John ANDERSON

15. Completed in the 1960's under the dictatorship of [Juscelino Kubitschek : ZHOO-seh-LEE-no KOO-bits-check], this ultramodern capital city was intended to thrust its mother country into the brotherhood of First World nations. FTP, name this capital of the largest Portuguese-speaking country in the world.

A. [BRAS'ILIA : bra-ZEE-lee-a]

16. It took a long time to find because it was much heavier than anticipated, but in 1995 its existence was confirmed, completing the set of the 12 elementary fermions. FTP, name this particle which is almost forty times more massive than the second-heaviest quark.

A. TOP quark or TRUTH quark

17. This company got its start in Cincinnati, manufacturing candles and soap out of the animal fat from the nearby hog stockyards. But its latest product doesn't contain any fat at all; it's the recently-FDA-approved fat substitute olestra. For ten points, name the company that has trademarked Olean.

A. PROCTER AND GAMBLE

18. He observed that if you put pigeons in a box, give them a treat when they jump above a line, and then put the line higher than they can jump, you'll soon have a box full of pigeons hopping in place. FTP, name this American behaviorist famous for this and other experiments involving conditioned responses.

A. B. F. SKINNER

19. According to this religion, humanity's problems are partly traceable to "thetans," which are discorporate aliens banned from their home millenia ago by a cruel galactic dictator named Xenu. FTP, name the religion, currently trying to shut down free discussion of its practices on the Internet.

A. The Church of SCIENTOLOGY

20. Upon his arrest, he said he was acting alone, or "maybe with God," when he assassinated the prime minister of Israel, Yitzhak Rabin. FTP, name him.

A. Yigal AMIR

21. "Bossanova," "Surfa Rosa," and "Trompe le Monde" are all albums produced by this now defunct band, headed by Francis Black as lead vocalist and Kim Deal as bassist, who would probably agree with me that College Bowl is a "Wave of Mutilation."

A. The PIXIES

22. This poem was published in 1612, but went unnoticed until January, 1996, when Vassar College professor Donald Foster claimed that computer analysis showed it to have been written by William Shakespeare. Whether you're convinced or not, for ten points give the title of this controversial verse.

A. "A FUNERAL ELEGY FOR MASTER WILLIAM PETER"

23. When he died outside his native England, his body was preserved in rum for shipment home. When the cask was finally opened to remove his body, it was discovered that thirsty sailors had already consumed most of the preserving fluid. FTP, name this naval officer, commander of the flagship Victory.

A. Lord Horatio NELSON

24. FAQTP, the narthex, nave, choir, transept, apse and side-aisles are all part of what type of structure?

A. Gothic CATHEDRAL

25. This Swiss scientist found it hard to ride his bicycle home after deliberately ingesting a substance he had isolated in his lab on April 21, 1943, saying that it appeared as if the world was being "seen in a curved mirror." FTP, name this discoverer of LSD.

A. Albert HOFMANN

26. This author had only written two books when he committed suicide in 1969 at age 32. For ten points, name this man who posthumously won the Pulitzer Prize for the book that introduced Ignatius J. Reilly into the realm of literature.

A. John Kennedy TOOLE

27. This man's trademark moustache and glare were nightly fixtures on the Simpson trial. His lawyers are currently claiming that the Juice is giving inconsistent answers under oath at his civil trial. FTP, name this mad-as-hell father of one of OJ's alleged victims.

A. FRED GOLDMAN (prompt on "Goldman")

1996 Cardinal Classic VI Caltech A Packet-Bonuses

1. (30) For fifteen points each, answer the following questions relating to vector spaces.
 - (15) Give the one-word term for a linearly independent set of vectors that spans the whole space.
A. BASIS
 - (15) Given any basis for a space, we can construct another basis which is orthonormal, usually using what procedure?
A. GRAM-SCHMIDT orthonormalization (or orthogonalization)
2. (30) Everybody remembers that the six felons in *Reservoir Dogs* were named after colors, but just how many of the six Dogs can you remember, for five points apiece?
A. Mr. BLOND, Mr. BLUE, Mr. BROWN, Mr. PINK, Mr. WHITE, Mr. ORANGE
3. (30) President William Henry Harrison earned his nickname in the Battle of Tippecanoe. For ten points each...
 - (10) Which Indian tribe was Harrison fighting against?
A. SHAWNEE
 - (10) Name the Shawnee chief who was away at the time of the battle.
TECUMSEH
 - (10) Who led the attacking Shawnee force?
A. THE Shawnee PROPHET or TENSKWATAWA or LAULEWASIKAU.
4. (30) Name the six periods of geologic time that make up the Paleozoic Era. You'll receive five points for each one that you can name.
A. CAMBRIAN, ORDOVICIAN, SILURIAN, DEVONIAN, CARBONIFEROUS, PERMIAN. (any order)
5. (30) For ten points each, name the capitals of the three Baltic states.
A. TALLINN, Estonia; RIGA, Latvia; VILNIUS, Lithuania
6. (30) He starred in the original version of "The Fly." She is popularly known for playing

Emma Peel in the 1960s British TV series, "The Avengers." They appeared together in the 1973 movie, "Theatre of Blood." For ten points each, name him, her, and the TV show for which she replaced him as host in 1989.

A. Vincent PRICE, Diana RIGG, MYSTERY!

7. (30) Those Romantics had a bad habit of dying young. For ten points each, given the cause of death, name the poet.

(10) Fighting in the war for Greek independence.

A. LORD BYRON or George GORDON

(10) Drowned while sailing in the Bay of Spezia.

A. Percy SHELLEY

(10) tuberculosis

A. John KEATS

8. (30) For ten points each, name the dimensionless quantity from aerodynamics or hydrodynamics given its physical definition.

(10) The velocity of a flow, divided by the local speed of sound.

A. MACH NUMBER

(10) The velocity of a flow squared, divided by a scale length and the acceleration due to gravity.

A. [FROUDE : frood] NUMBER

(10) The velocity of a flow times a scale length, divided by the kinematic viscosity.

A. REYNOLDS NUMBER

9. (20) Swiss psychologist Jean Piaget believed that children pass through four main stages in their cognitive development. For five points each, name these four mental stages.

A. SENSORIMOTOR, PREOPERATIONAL, CONCRETE-OPERATIONAL, FORMAL-OPERATIONAL

10. (30-20-10) Name the author from his works:

(30) The Hippopotamus

(20) Murder in the Cathedral

(10) The Love Song of J. Alfred Prufrock

A. T. S. ELIOT

11. (30) Answer the following questions about dangerous media for ten points each:

(10) Charles Manson ordered the murders of seven people in order to fulfil a prophecy that he perceived in the lyrics of this Beatles song.

A. "HELTER SKELTER"

(10) Mark Chapman shot and killed John Lennon in 1980 in order to encourage other people to read this book.

A. The CATCHER IN THE RYE

(10) This 1993 James Caan movie led a number of high school football players to lie down in the middle of busy roads, with disastrous consequences.

A. THE PROGRAM

12. (30) For ten points each, given the NBA team, name its leading scorer for the 1994-95 season.

(10) Los Angeles Clippers

A. Loy VAUGHT

(10) Seattle Supersonics

A. Gary PAYTON

(10) Charlotte Hornets

A. Alonzo MOURNING

13. (30) There certainly have been a lot of executions in the news lately. For fifteen points each, name these recently deceased men.

(15) He was executed by firing squad on January 26, 1996 for the murder of a 10-year old girl, which he denied.

A. John TAYLOR

(15) He was executed by lethal injection in Delaware for the double murder of his aunt and uncle after they refused to give him their Social Security check.

A. William FLAMER

14. (30) Just as Batman is Bruce Wayne, Batman's villains all have real names. For ten points each, give the real name of...

(10) The Penguin

A. Oswald Chesterfield COBBLEPOT

(10) Riddler

A. Edward NIGMA

(10) The original Mad Hatter

A. Jervis TETCH

15. (25) He fled his native Germany in favor of what became the Czech Republic during World War One, and there became one of the early members of the Expressionist movement, which would be ridiculed by Nazi Germany as "Degenerate Art". For twenty-five points, name this artist, painter of "Self-portrait as a Free Man in Prague"

A. Oskar KOKOVSKHA

16. (30) You'll get 15 points each for answering these three questions about nations spurred to world renown through their oil.

(15) This island nation, connected to the mainland by the King Fahd Causeway, had an economy centered around pearls and fishing before the rise of the petroleum industry.

A. BAHRAIN

(15) So much of this state is basically worthless desert, scattered with oil wells and oases, that it hasn't even bothered defining an exact border between it and its neighbor Oman.

A. The UNITED ARAB EMIRATES

17. (30) For ten points each, identify the following bits of Martian geography.

(10) The largest known mountain in the Solar System, rising fifteen miles above the surrounding plain.

A. OLYMPUS MONS

(10) A system of canyons about 2500 miles across and more than five miles high.

A. VALLES MARINERIS

(10) An impact crater in the southern hemisphere about two and a half miles deep and 1,250 miles in diameter

A. HELLAS Planitia (or Basin)

18. (30) For 15 points each, answer the following three questions concerning famous ships.

(15) Of the five ships in Magellan's expedition, this was the only one that circumnavigated the world and returned to Spain.

A. VICTORIA

(15) Name the ship that Blackbeard was commanding when he was caught and killed in Pamlico Sound.

A. QUEEN ANNE'S REVENGE

19. (30) Here are two questions, worth fifteen points each, to test your knowledge of Joseph Heller's classic "Catch-22."

(15) Name the character in charge of the mess hall, who could make a profit by buying eggs for five cents and selling them for three cents.

A. MILO MINDERBENDER

(15) Name the island where the characters in the novel were stationed, located eight miles south of Elba.

A. PIANOSA

20. (20) Here are two questions, worth 10 points each, to test your knowledge of Muhammed, the founder of Islam.

(10) Although Muhammed had many wives, who was his wife when he was first contacted by Allah?

A. KHADIJAH

(10) Muhammed was forced to leave Mecca for Medina. What word names this voyage of Muhammed's, meaning "the flight"?

A. HIJRAH or HEGIRA or HEJIRA

21. (30-20-10) Name the artist from his works:

(30) Two Men Meet, Each Believing the Other to be of Higher Rank

(20) Insula Dulcamara

(10) Sinbad the Sailor

A. Paul KLEE

22. (30) Currently there are only five states that still have their speed limit set at 55 mph. For five points each, plus an additional five point bonus for getting all five, name these five states.

A. HAWAII, CONNECTICUT, RHODE ISLAND, DELAWARE, NEW JERSEY

23. (30) Recently, the American Music Awards were shocked when an artist refused to accept the Favorite Overall Artist award, claiming that it should have gone to another group, who had salvaged an otherwise miserable year with one overwhelmingly popular album. Name this artist, this band, and this album for 10 points each.

A. Garth BROOKS, HOOTIE AND THE BLOWFISH, CRACKED REAR VIEW

24. (30) People who are suffering from a terminal disease tend to go through a five-step sequence of reactions, referred to as DABDA. You get five points for each psychological state that you can name in order plus another five if you get them all right.

A. D: DENIAL, A: ANGER, B: BARGAINING, D: DEPRESSION, A: ACCEPTANCE