

1997 Paul Bunyan Masters
Round 10

Toss-Ups

1. Called "Baby" by the veteran Dansker, this peacemaker symbolises both Christ and the Adamic man; his Captain says that he "might have posed for a statue of young Adam before the fall." Fall he does, when "Jimmy Legs," the master-at-arms, falsely accuses him of mutiny. For ten points, name this Melville character, who is hanged after accidentally killing Claggart on the H.M.S. *Indomitable*.

Answer: **Billy Budd Foretopman**

2. On the 6th of the month, Palestinian terrorists hijacked two airliners and flew them to an airfield in Jordan, where they were later joined by another, and destroyed. On the 16th King Hussain declared martial law and 10 days of fighting ensued between the Jordanian army and the Palestinians and their Syrian allies. FTP, identify the name given by the PLO to these events which saw them expelled from Jordan, a name later adopted by a splinter terrorist group.

Answer: **Black September**

3. A device of the second kind would be able to extract heat from its surroundings and use the heat to do work. One of the first kind would, once set in motion, continue to move, doing useful work with no subsequent input of external energy. FTP, name the kind of machine so described, the existence of which would contradict one of the first two laws of thermodynamics.

Answer: **Perpetual motion machine** OR **Perpetuum mobile**

4. Founded as early as the 11th century, it was destroyed by fire in 1624 and rebuilt by King Christian IV of Denmark. Called Christiania until 1924 in his honor, it sits some 80 miles from the open sea, north of the Skaggerrak. FTP name this city, which, in 1905, became capital of newly independent Norway.

Answer: **Oslo**

5. He happily consumes two partridges, half a leg of mutton, and four flasks of wine and then sleeps well, despite the fact that his hostess, Elmire, whom he hopes to seduce, is lying ill. When Elmire recovers and reveals their visitor's deceit to husband Orgon, Orgon responds by turning over all his property to the man. FTP, name this title impostor of a Moliere play.

Answer: **Tartuffe**

6. In the chapter entitled "The Foods We Heat," this book's mother-daughter pair of authors remark that an old cook's instruction to a student was to "stand facing the stove." Irma Rombauer took that to heart, and recovered from the Depression to privately produce the first edition of what came to be America's kitchen manual. FTP, name this cookbook, which is more relevant and sensual, and simultaneously more restrained, than a similarly-titled work by Alex Comfort.

Answer: **Joy of Cooking**

7. He studied to be an allergist, hoping to cure his own asthma, but got poor grades and barely earned the license. He looked for a revolution in Guatemala, but found one elsewhere. Supposedly he was named president of the National Bank of Cuba when a room was asked, "are there any economists here," and he heard "communists." FTP, name this Marxist ideologue of the Cuban revolution, killed in Bolivia in 1967.

Answer: **Ernesto "Che" Guevara de la Serna**

8. Just one of a class of similarly-named objects, it is connected and compact, with area between 1.5 and 1.6. Good measures of it are hard to find, since its border has non-zero area and dimension greater than one. In pictures, only the central black region is part of it. FTP, identify this subset of the complex plane, named for the originator of the term "fractal."

Answer: **Mandelbrot Set** (prompt on "fractal")

9. An assistant surgeon to the 5th Northumberland Fusiliers in Afghanistan, he was wounded at the battle of Maiwand and saved by his orderly. He returned to England after catching enteric fever, and was pronounced "thin as a lath and brown as a nut." A chance meeting with young Stamford led to his sharing rooms with world's only consulting detective. FTP, name this foil character of Arthur Conan Doyle.

Answer: **John Watson**

10. His lover's mouth reminds him of the "Elizabethan simile of roses filled with snow," but he notes that her face is not perfect, and indeed, that the imperfections give it its humanity. But when, on their wedding night, his wife tells him of her rape at the hands of a rascal cousin, he is not so compassionate, and he leaves her for Brazil. FTP, what Thomas Hardy protagonist finally repents and returns to Theresa D'Urberville only days before her execution?

Answer: **Angel Clare** (accept either or both)

11. The last newspaper written in this romance language stopped publication during WWII. Remaining speakers in and around Asia Minor have kept it alive, but the recent Balkan problems have forced many of them to emigrate to Israel. FTP, identify this Sephardic Jewish language, whose name comes from an old Spanish word meaning "multilingual."

Answer: **Ladino**

12. It has four outdoor galleries, waterfalls tumbling over rubble, and the phrase "I hate war." It is totally obscured by trees, is much bigger than a desktop and is nowhere near the National Archives. With all the uproar about the visual aspect of its subject, the deafening absence of any reference to days living in infamy has gone unnoticed. FTP, identify this recently opened Presidential remembrance.

Answer: **Franklin Delano Roosevelt Memorial**

13. His immediate reaction: "I'll be glad to get away from all that politics for a while." 58 percent of the vote in 1992 should have made his district safe, but he finished second this time in Enfield Southgate, the highest profile casualty of the Conservative

roul in the British elections. FTP, name this ex-defense minister who is no longer the likely successor to John Major as part leader.

Answer: **Michael Portillo**

14. Every African subculture in the Western Hemisphere has a legal tradition of rhythmic drumming, except in the U.S. In fact, the colonies were the only place where African drumming was outlawed. The reason: to prevent the long distance communication that slaves used in the 1700's while preparing for an uprising. FTP, identify the catalyst for such a law, a South Carolina revolt which took place in 1732.

Answer: **Stono Rebellion**

15. Its national headquarters are still in Evanston, Illinois, some 64 years after a pretty solid defeat. Founded in Ohio in 1874, its first secretary was Frances Willard, who later shepherded it into a worldwide crusading organization. FTP, identify this group known for its anti-alcohol message.

Answer: **Women's Christian Temperance Union** (accept **WCTU**)

16. Amos Ames, Louisa, and Minnie form the chorus in this play's "Homecoming," which describes Ezra's return from war and his discovery of his wife's affair. After his wife kills him, their daughter schemes of a plot that results in her mother's suicide, and then, with brother Orin, sets sail for the South Seas. FTP, name this Eugene O'Neill drama, titled for the Aeschylean heroine whose love for her father wreaks havoc.

Answer: **Mourning Becomes Electra**

17. He froze a sheep's tongue and then thawed it, and discovered that the bumps on it were more visible when the tongue was warm. This led him to hypothesize that people in warm climates were more sensitive, faint, and timorous than those in cold climates, a claim that formed Book XIV, entitled "Of Laws in Relation to the Nature of the Climate." FTP, in whose *Spirit of the Laws* do such ideas appear?

Answer: **Charles de Secondat, baron de la Brede et de Montesquieu**

18. The smooth variety serves as a transition area for the discharge of vesicles and, in muscle cells, helps pump calcium ions from the cytosol. The rough variety, so called because ribosomes stud its surface, helps synthesize secretory proteins and produces membranes. FTP, name this two-word component of the cell, not to be confused with a television programme starring George Clooney.

Answer: **Endoplasmic Reticulum** (prompt on "ER" if given before the words "television programme")

19. This painting's screaming mother and her dead child are descendants of the *Pieta*, the woman with the lamp recalls the Statue of Liberty, and the dead fighter's hand, still clutching a broken sword, reminds us of heroism, as contrasted with the dark forces that brood over the human-headed bull. FTP, this describes what Picasso work, inspired by the Spanish Civil War bombing of the ancient capital in the Basques?

Answer: **Guernica**

20. He wrote that "There was never a civilized nation of any complexion other than white...[among other races] there are no manufactures, no arts, no sciences." These remarks betrayed his criteria for the sole evidence of civilization and revealed the potential for myopia within his own philosophy. FTP, who is this Scottish empiricist, less known for his racism than for his *Inquiry Concerning Human Understanding*?

Answer: **David Hume**

21. By eleven she was fluent in six languages, and her father would invite intellectuals home to engage her in discussions, which she later compiled into *Propositions Philosophicae*. By 1748 she had produced a massive, unified treatise of algebra and analysis which so impressed Lucasian professor John Colson that he translated it into English. FTP, name the Italian woman responsible for such mathematics, eponymous for a versed sine curve that is often called a "witch."

Answer: **Maria Gaetana Agnesi**

22. The "Agnus Dei" section of this work is introduced by a bass solo and includes a militaristic fanfare, followed by a fugato on a subject that the composer borrowed from Handel's "Hallelujah" Chorus. Of its "Credo" Schindler remarked that "surely no work...of such magnitude has ever been created under such extraordinary conditions." FTP, what is this solemn liturgy that Beethoven considered his greatest composition?

Answer: **Missa Solemnis**

23. Born Declan McManus, he eventually met up with the bassist for the Brinsleys and produced his first demo. In 1979, after the release of an album originally titled "Emotional Fascism," he made the papers when, in a drunken brawl, he denounced Ray Charles as a "blind, ignorant nigger," a statement he later recanted. FTP, name this leader of the Attractions, who's not actually racist and, like a record title, whose aim is true.

Answer: **Elvis Costello**

24. This family's shell company, Hip Hing Holdings, was used as a conduit to move money from Indonesia to America, and the FDIC reprimanded one of their California banks several times for lack of documentation. The founders of the Lippo Group are also under investigation for bribing associate attorney general Webster Hubbell and heavily financing Clinton's 1996 campaign. FTP, what Asian family thus links the two scandals of the President?

Answer: **Riady**

25. Although contained in its own drainage basin, it is connected to the Amazon system by the Casiquiare, a natural canal. It rises in the Serra Parí and heads west toward the Colombian border before turning east to the sea. FTP identify this river, the 5th longest in South America and the chief river of Venezuela.

Answer: **Orinoco**

26. Conditions include Madras, Hypervolage, Tibet and Chameleon. Pieces include

the grasshopper, lion, camel, mao, orphan, edgehog and archbishop. What word, FTP, is used to describe chess problems which use unorthodox pieces, rules, or stipulations?

Answer: fairy OR heterodox

27. The defense might use such things as leg cutters, arm-balls, flippers and yorkers. Playing positions include third man, slip, long leg and extra cover, while the umpire might have to signal dead ball, leg-before-wicket or short run. What sport, FTP, played mainly in Commonwealth countries between teams of 11, uses this terminology?

Answer: Cricket

28. He used his method of "infinite descent," considered the opposite of induction, to prove difficult theorems. He did not use it often, however, for he seldom proved any of his statements, including the one that if p is a prime and a is an integer not divisible by p , then a^p [a to the power p] is congruent to a modulo p . FTP, this is the "little theorem" of what Frenchman, whose last theorem defied proof until 1993?

Answer: Pierre de Fermat

29. His early passions were chess and photography, and he worked in *Look* magazine before quitting to make his first film, a documentary about boxer Walter Cartier. He broke ground with *Paths of Glory* and who's next movie, *Eyes Wide Shut*, stars Tom Cruise and Nicole Kidman. FTP, name this director who, in 1963, adapted the novel *Red Alert* into the masterpiece black comedy *Dr. Strangelove*.

Answer: Stanley Kubrick

30. Founded in 1970 by attorney Keith Stroup, its current board of directors includes David Boaz and Kary Mullis, the 1993 Nobel laureate in chemistry. Overcoming nausea associated with chemotherapy, weight loss associated with AIDS, and the lowering of intra-ocular pressure in some glaucoma sufferers are all benefits they argue of the plant they champion. FTP, name this organization that supports the legalization of marijuana.

31. At 5'6" and 115 pounds, her strong point is not power but placement, which helped her go undefeated through six tournaments this year. She's also well rounded--she rollerblades, rides horses, and likes the Louvre. Slovakian-born and Swiss-raised, her mother Melanie is her coach and best friend, which is good, because she needed some consolation after her recent loss at Roland Garros. FTP, who is this tennis sensation, named after another Czech marvel of the game?

Answer: Martina Hingis

32. It can be regarded as the final victory of the Ultramontanists. It must be wielded explicitly and intentionally; it covers only judicial and instructional matters, and has been used only twice, both times to resolve issues concerning Mary. Established in 1870, it was somewhat obliquely reconfirmed at Vatican II. FTP, name this doctrine of the validity of the Pope's ex cathedra statements.

Answer: papal infallibility

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Bonuses

1. For the stated number of points, identify the following people or countries that won gold medals in successive Olympics.

A. [5 points] This American won the discus at 4 successive Games, starting in 1956.

Answer: **Al Oerter**

B. [10 points] This country won a remarkable 6 consecutive golds in field hockey, starting in 1928.

Answer: **India**

C. [15 points] This Australian was the first woman to swim 100m in under 1 minute, and won gold at that distance at Melbourne, Rome, and Tokyo.

Answer: **Dawn Fraser**

2. For the indicated number of points identify each of the following battles from Roman history.

A. [10 points] Scipio Africanus defeats Hannibal

Answer: **Zama**

B. [5 points] Octavian destroys the navy of Mark Antony.

Answer: **Actium**

C. [15 points] Julius Caesar defeats the Gaulish chief Vercingetorix, completing his conquest of Gaul.

Answer: **Alesia**

3. Given a space probe, identify the astronomical body it was primarily launched to explore, for the stated number of points.

A. For five, Venera 4

Answer: **Venus**

B. For ten, Giotto

Answer: **Halley's Comet**

C. For five, Mariner 4

Answer: **Mars**

D. For ten, Ulysses

Answer: **the sun**

4. Answer the following questions about Shakespeare's *Anthony and Cleopatra* for the stated number of points.

A. First, for five points each, name the two of Cleopatra's attendants who die with her when she decides to commit suicide.

Answer: **Iras** and **Charmian**

B. Next, for five, name the man who hopes to seize Rome from the triumvirs, but who is too chivalrous to kill them when they are on board his ship.

Answer: **Sextus Pompeius** (accept **Pompey**)

C. Next for five, name the third triumvir.

Answer: **Marcus Aemilius Lepidus**

D. Finally, for ten, name Cleopatra's eunuch messenger who brings Antony the false news of Cleopatra's death.

Answer: **Mardian**

5. Kurt Vonnegut has an alter-ego character who shows up in several of his works,

particularly *Breakfast of Champions* and the forthcoming *Timequake*.

A. First, for ten points, name him.

Answer: **Kilgore Trout**

B. Fictional though he is, one book has appeared under the name Kilgore Trout, but it was not written by Vonnegut. FTP each, name the book and its author, best known for his "Riverworld" series.

Answer: Book: **Venus on the Half-Shell**; Author: **Philip Jose Farmer**

6. For ten points each, identify the California businessman who guided the passage of California's anti-affirmative-action Proposition 209, and the federal judge whose injunction against it was recently overturned by a panel of the appeals court.

Answer: Businessman: **Ward Connelly**; Judge: **Thelton Henderson**

Henderson's injunction was based on the theory that it violates the equal protection provisions of the Constitution to bar some, but not all, groups from obtaining special protection through affirmative action. This idea springs from the Supreme Court's 1996 overturning of what Colorado initiative?

Answer: **Amendment 2**

7. Answer the following questions about Boutros Boutros-Ghali FTP each.

A. First, name his recent memoir of the time he spent in Anwar-al-Sadat's cabinet and the period before the Camp David Accords.

Answer: **Egypt's Road to Jerusalem: A Diplomat's Story of the Struggle for Peace in the Middle East**

B. Next, name his grandfather, the Coptic prime minister of Egypt who was assassinated in 1910.

Answer: **Boutros Ghali Pasha** (Moderator: "Ghali" is the family name of the grandfather, but "Boutros-Ghali" is the family name of the grandson. Judge answers appropriately.)

C. Boutros Boutros-Ghali inspired the character Nessim Hosnani in a work by Lawrence Durrell. Name the work.

Answer: **The Alexandrian Quartet**

8. Answer the following questions about the Parthians for the stated number of points.

a. In the late third century BCE this man led the Parthians from the hills of northern Iran into Persia, where he founded the Empire. For 10 points name this ruler, after whom all the Parthian kings were named.

Answer: **Arsaces**

b. The Parthians are most famous for the 53 BCE battle in which the forces of Marcus Licinius Crassus were destroyed and Crassus himself was killed. For 5 points name this battle.

Answer: **Carrhae**

c. This Roman general also mounted an unsuccessful expedition into Parthia in 33 B.C.E. For 10 points name this general, whose other losses include Actium.

Answer: **Marc Antony (Marcus Antonius)**

d. In 254 of the common era the Parthians were overthrown by this dynasty. For 10

points name this people, who were themselves supplanted by the Arabs in 636.

Answer: **Sassanians** (accept **Persians**)

9. Answer the following questions about igneous rocks, FTP each.

A. Give the name of the class of relatively porous stones that form from cemented volcanic ash, and come in vitric, lithic, and crystal forms. One type is known as ignimbrite.

Answer: **tuff**

B. What is the heavy, black, glassy foam that often forms on pahoehoe and is known as volcanic cinder?

Answer: **scoria**

C. What is the adjective for igneous rocks whose mineral grains are too fine to be visible to the naked eye?

Answer: **aphanitic**

10. Identify these figures in the Rosenberg case, none of whom were executed.

A. Ethel's brother was a machinist on the Manhattan project, and the one who passed information on the bomb to Julius. Cooperation with the government reduced his sentence to 15 years.

Answer: **David Greenglass**

B. Julius' courier to the Soviets, he was also responsible for the care and feeding of the spy Klaus Fuchs.

Answer: **Harry Gold**

C. This co-conspirator had to be extradited from Mexico, and, like Gold, received 30 years in a federal prison.

Answer: **Morton Sobell**

11. Answer the following questions about Fyodor Dostoevsky's *Crime and Punishment* for the stated number of points.

A. First, for five, name the main character, a young law student who murders as an experiment.

Answer: **Rodion Romanovitch Rasolnikov**

B. Rasolnikov kills Alonya Ivanovna and her daughter Lizaveta. For five points, name either one of Alonya's "professions."

Answer: **Pawnbroker** or **Moneylender** (accept **Usurer**)

C. Next, for five points apiece, name the two suitors of Rasolnikov's sister. The first, and unsuccessful one, is a minor government clerk, and the second, and ultimately luckier one, is Rasolnikov's devoted friend.

Answer: First: **Piotr Petrovich Luzhin**; Second: **Dmitry Razumihin**

D. Finally, for ten points, name the chief detective in the murder investigation.

Answer: **Porfiry Petrovich**

12. Some of the best music came out of the seventies. Given a few hits from a prominent seventies band, name it, 10 points each; if you need a few more songs, you only get five points.

a. 10 pts. *Hey Nineteen*; *Dirty Work*

5 pts: *Do It Again; Reeling in the Years*

Answer: **Steely Dan**

b. 10 pts: *Dreamer; Breakfast in America*

5 pts: *Logical Song; Take the Long Way Home*

Answer: **Supertramp**

c. 10 pts: *Jive Talking; How Deep is Your Love*

5 pts: *Lonely Days; Lonely Nights; Staying Alive*

Answer: **Bee-Gees**

13. Answer the following questions about Les Six FTP each.

A. Chorale-like melodies and polyphony in "The King David" reflect this composer's admiration for Bach. Subsequent stage works, such as "Joan of Arc at the Stake," are more elaborate and integrate both speaking and singing. FTP, name this man.

Answer: **Arthur Honegger**

B. His music reflects both his Jewish ancestry and his Provencal upbringing. Travel to Brazil added Latin twists to his "Scaramouche," and after visiting Harlem, he incorporated jazz and blues into his "The Creation of the World." FTP, name him.

Answer: **Darius Milhaud**

C. His music showcases melody and is supported by simple diatonic harmony. He wrote choral and stage music and imitated the witty Parisian song style and mimicked the music of Debussy and Massenet in his "La Mamelles de Tiresias." FTP, name him.

Answer: **Francis Poulenc**

14. Identify the following parts of the human endocrine system FTP each.

A. This gland receives information from peripheral nerves and initiates appropriate endocrine signals. It contains neurosecretory cells that receive signal from other nerve cells and then secrete hormones.

Answer: **Hypothalamus gland**

B. This lobe stores and release oxytocin and anti-diuretic hormone, the latter of which regulates blood plasma. FTP, name this small appendage at the base of the hypothalamus.

Answer: **Pituitary gland**

C. It secretes the hormone melatonin and thus regulates circadian rhythms. FTP, name this gland that Descartes described as the "seat of the soul."

Answer: **Pineal gland**

15. Answer the following questions about the *Mahabharata* for the stated number of points.

A. First, for five, identify the namesake father of the Pandavas. This king was impotent, so the sons were actually progeny of other gods and kings.

Answer: **King Pandu**

B. Next, for five, identify the wife of the Pandava brothers.

Answer: **Draupadi**

C. Next, for five, identify Arjuna's charioteer, the central character in the *Bhagavad-Gita*.

Answer: **Krishna**

D. Finally, for fifteen, Kunti [Kuhn-THEE] and Surya had a son who was cursed by his teacher to forget something when he most needed to remember it. Thus when this man was hit by Arjuna's arrow, he forgot the prayer that would save his life, and so died. Name him.

Answer: **Karna**

16. Answer the following questions about 20th century architecture for the stated number of points.

A. This building shows an avoidance of flat lines and straight surfaces and appears to have been formed out of a malleable substance. Made from cut stone, it epitomizes its creator's commitment to naturalism. For fifteen points, what is this Barcelona apartment house designed by Antoni Gaudi?

Answer: **Casa Mila**

B. Born Charles Jeanneret, he first built "machines a habiter" [mah-SHEENZ ah AH-beetay] to denote his admiration for precise shapes, and he was preoccupied with "space blocks," as exemplified by his "Savoye House." FTP, name this man.

Answer: **Le Corbusier**

17. Answer the following questions about sources of parody on *The Simpsons* for the stated number of points.

A. First, for five, when Bart and Lisa get a swimming pool, Bart breaks his leg while jumping into it and so ends up bedridden. From his room window, he sees strange goings-on at the Flanders' and sends Lisa to investigate. What Hitchcock film does this spoof?

Answer: **Rear Window**

B. Bobo, Monty Burns' favorite stuffed animal, is the analogue of a possession of the main character of *Citizen Kane*. For ten points, what is the name of that toy?

Answer: **Rosebud** (prompt if "sled" is given)

C. Finally, for fifteen, Homer's mother is on the run from the law due to her involvement in the destruction of Monty Burns' biological weapons plant. What 1988 film, starring Judd Hirsch and River Phoenix, does this parody?

Answer: **Running On Empty**

18. Answer the following questions about the French Revolution for the stated number of points.

A. First, for ten, what finance minister was dismissed on July 11, 1789?

Answer: **Jacques Necker**

B. Next, for five points apiece, what date, two days after the cannonade at Valmy, was taken to be starting point of the Revolutionary Calendar, and what was the new name given to that month?

Answer: **22 September** and **Vendemiaire** or **Month of Harvest**

C. Pierre Vergniaud led this more centrist revolutionary group, which took its name from a group of deputies from Bordaeux. FTP, name it.

Answer: **Girondins**

19. Identify the following computer languages from clues, for ten points each.

A. Developed by Donald Knuth at Stanford, it is used to perform high-quality typesetting, especially of documents including mathematics.

Answer: **TEX** (pronounced "tek" or "tekh") [Do not accept "Latex"]

B. This strongly typed language, a successor to Pascal, was developed by Nicklaus Wirth ["Veert"] and allows users to split program source into independent pieces in a well-defined way.

Answer: **Modula-2**

C. Larry Wall designed this interpreted language to easily manipulate files, text, and processes. It is used extensively (though somewhat invisibly) on the world wide web.

Answer: **PERL**

20. Answer the following questions about James Fenimore Cooper's *The Last of the Mohicans* for the stated number of points.

a. First, for ten, who is the last of the Mohicans?

Answer: **Uncas**

b. Second, for five, what is Natty Bumppo's nickname?

Answer: **Hawkeye**

c. Third, for ten, whom does the Indian chief Magua force to marry him?

Answer: **Cora Munro**

d. Lastly, for five, during which war does the story take place?

Answer: **French and Indian War**

21. A recent Israeli documentary details the extremism of right-wing fury against Rabin and the story of the leader's assassination. Answer the following questions about it for the stated number of points.

A. First, for fifteen, what is the title of the documentary?

Answer: **The Government of Israel Announces with Profound Shock**

B. The documentary describes how the Likud and National Religious Parties were linked to a conglomeration of militant groups led by Jacob Novik. FTP, name the organization that Novik heads

Answer: **Action Headquarters**

C. Lastly, the documentary includes an exclusive phone interview with Rabin's assassin. For five points, name him.

Answer: **Yigal Amir**

22. Answer the following questions about coins FTP each.

A. FTP, name the alloy of gold and silver used by the Lydians around 700 B.C. to produce the first coins.

Answer: **electrum**

2. Shaving the edges of coins was a common way to obtain precious metals until what Englishman, FTP, started putting serrated edges on British coins in the 17th century?

Answer: **Isaac Newton**

3. Special issues of common coins are frequently hoarded for their distinctive images. Within three, FTP, approximately what percentage, within 3%, of the 2 billion 1976

bicentennial quarters have disappeared from circulation because of hoarding?

Answer: 90% (accept 87-93)

23. Give the terms from inorganic chemistry described, for the stated number of points.

A. [5 points] A compound which can donate a proton to another compound.

Answer: acid

B. [10 points] The addition of electrons to an ion, such as the conversion of ferric sulfate to ferrous sulfate.

Answer: reduction

C. [10 points] A bond in which electrons are shared between a positive, acceptor, ion, and a negative or neutral "donor" group.

Answer: co-ordinate bond

24. Given the title of a tribute album, name the artist it honors FTP each.

A. *Encomium*

Answer: Led Zeppelin

B. *Sweet Relief*

Answer: Victoria Williams

C. *A Means to an End*

Answer: Joy Divison

25. Answer the following questions about fruit FTP each.

A. What is the yellow-to-red loose skinned fruit of the tree *Citrus reticulata* named for the bureaucrats of Imperial China? It is also a flavor of Slice cola.

Answer: Mandarin Orange (prompt on "Mandarin")

B. Apparently the result of a chance mutation 300 years ago in Jamaica, this clustering fruit's aberrant name is due to discoverer John Lunan, who had an odd sense of taste. FTP, name it.

Answer: grapefruit

C. Finally, name the cross between a mandarin orange and a grapefruit.

Answer: tangelo

26. Given a complete list of neighboring countries, give the African country so identified for five points and a five point bonus for all correct.

A. Mozambique, Zambia, Tanzania

Answer: Malawi

B. Ghana, Benin, Burkina-Faso

Answer: Togo

C. Djibouti, Ethiopia, Sudan

Answer: Eritrea

D. Senegal

Answer: The Gambia (prompt if only Gambia is given)

E. Angola, Zambia, Botswana, South Africa

Answer: Namibia

27. Law enforcement officials have recently identified a Balkan organized crime syndicate they refer to by the acronym YACS--Y-A-C-S. The YACS case stores by pretending to be gawking tourists taking video; they then break through the roof. For five points per letter, and a five point bonus for all correct, expand the acronym YACS.

Answer: **Yugoslavia, Albania, Croatia, and Serbia**

28. Pencil and paper ready? Answer the following questions for fifteen points apiece.

A. Historically, Egyptian papyrus was a dead end. For fifteen points, name the Chinese clerk whose A.D. 105 rag-based paper was the ancestor of the modern material.

Answer: **Tsai Lun**

B. Next, name the inventor of the lever-action fountain pen, which used a rubber tube to suck in the ink supply.

Answer: **L. E. Waterman**