

Iowa State University

The Beautiful and Damned

October 25-26, 1996 - Ames, Iowa

Final *Lightning* Round

(History: American, pre-WWII)

1. One of his biographers described him as "the pole-cat, wild ass, Messiah and enigma of American politics." John Gunther viewed him as "engaging monster" and compared him to Hitler and Mussolini. His first job was as a travelling salesman and he took his famous nickname from a character on the Amos and Andy radio show. FTP, name this demagogue governor who was gunned down by Carl Weiss in 1935 in Louisiana.

Huey Long

(Medicine)

2. They have chemical structures similar to para-amino-benzoic acid but have sulfur atoms instead of carbon atoms at key points. Some bacteria depend on that acid to multiply but will absorb these chemicals instead halting their growth and allowing the immune system to eliminate them. A highly successful class of drugs is based on this behavior and stimulate it by the release of sulfanilamide. FTP, name this class of drugs.

Sulfa drugs

(Miscellaneous)

3. The bridge crosses the Niagara River. The river is the largest branch of the Mackenzie. The Democrats were active in the North during the Civil War. The pipe was also called a Calumet. The Palace is in the Hague. The Corps was first headed by Sargent Shriver. FTP, what five letter word forms the first part of each of these two-word proper nouns?

peace

(Literature: American, 1901 - 1950, poetry)

4. He was a gentleman from sole to crown and admirably schooled in every grace. He was richer than a king, and Paul Simon wished he could be in his place. FTP, identify this Edward Arlington Robinson character, who one calm summer night went home and but a bullet through his head.

Richard Cory

(Computer Science)

5. Peter Shor proved that one of these could probabilistically solve, in polynomial time, both the discrete logarithm problem and the factoring problem. This would make all existing cryptography obsolete if such a machine could be built. FTP, what is the common two-word name of this theoretical machine which depends on the superposition of states to achieve its massive parallelism?

quantum computer (quantum Turing machine)

(History: Europe, 1000-1750)

6. The Black Prince had intended to cross the Loire, but was forced to turn back toward Bordeaux. King John II pursued him and pressed the attack upon catching up. The French had greater numbers, but the Duke d'Orléans' untimely retreat cost them the day, thousands of slain nobility, and their king who was captured. FTP, what was the oft-used battleground of this 1356 engagement of the Hundred Years' War?

Poitiers [PWAH-tee-ay]

(Hard Science: Astronomy)

7. They have entropy proportional to their surface area so that, as Stephen Hawking proved, if two of them collide the total surface area must increase. Reissner-Nordstrom ones with sufficient electric charge could exhibit complex temperatures and entropy as well as a naked singularity. FTP, what are these astronomic entities whose innards remain shrouded behind their Schwarzschild radii?

black holes

(Philosophy: People)

8. In his 1922 magnum opus he developed a version of Logical Atomism called the Picture Theory. He held that the ideal language, or *Principia*, pictured or mirrored the world, just as a map mirrors it. The ideal languages thus gives the structure of facts, since facts are composed of objects and their properties. FTP, who was this philosopher who remarked that "Philosophy is not a theory, but an activity," in that work, the *Tractatus Logico-Philosophicus*.

Ludwig Wittgenstein

(Film)

9. Born in Vienna, this director fled Germany to avoid collaborating with the Nazis. Some of his noteworthy American films include *Fury*, *Hangmen Also Die*, and *The Big Heat*. In 1933, he gained worldwide acclaim for his portrait of a murderous, whistling child molester in his film *M*. FTP, name this director who influenced our view of the future in his 1926 classic *Metropolis*.

Fritz Lang

(History: France)

10. He defeated the last great Roman army in Gaul and then routed the Alamanni, the Visigoths, and the Burgundians. Through his military victories and his conversion to orthodox Christianity, he was able to establish the beginnings of the French state. FTP, who is this man, the first powerful ruler of the Merovingians?

Clovis I

(Social Science: Economics)

11. I won't drive to Academic Quiz tournaments unless I'm insured. I won't skydive unless I know my family will be provided for. I won't risk starting a company unless my possible bankruptcy will be ameliorated by the state. Once insured against theft, I am less careful with my possessions. FTP, what two word term do economists give to this sort of behavior wherein those insured voluntarily begin riskier behavior?

moral hazard

(Current Events)

12. It was the controversial topic of an early October Doonesbury series. Among those qualifying under it are AIDS and cancer patients. If passes, patients would need only a doctor's verbal approval to legally buy marijuana. FTP, identify this ballot initiative currently pending in California.

Proposition 215

(Fine Arts)

13. This École des Beaux-Arts professor and critic greatly influenced the naturalist movement and French intellectual attitudes through his application of determinism to art. He taught that to understand a work one must discover everything about an artist's heredity, environment, and contacts. FTP, who is this author of *History of English Literature* and *Philosophy of Art*?

Hippolyte Adolphe Taine [tayn]

(Biochemistry)

14. Folacin, cyanocobalamin, nicotinic acid, pantothenic acid, biotin, pyridoxine, folic acid, niacin, riboflavin, and thiamine, are all, FTP, members of which vitamin complex which also contains a number 6 and a number 12.

vitamin B complex

(Sports: Football)

15. University of California coach Nibs Price said in 1929 that this man was the smartest player on the team, and that "it was an accident that might have happened to anyone." The headlines told a different story, however: "Blunder Defeats California: Captain Elect Runs 69 Yards to Wrong Goal." FTP, identify this player who helped Georgia Tech to its 8-7 victory in the 1929 Rose Bowl, and earned the nickname "Wrong Way."

Roy Riegels

(Painting: People)

16. In 1918 he entered the army and was sent to design camouflage in Washington D.C. In the early 1920's he traveled to Paris and painted *The Spotted Man* in the pointillist style. He traveled to Munich and was impressed by the Old Masters as well as by Germany's New Objectivity movement. Upon returning to the U.S. he combined these techniques in his painting *Stone City, Iowa*. FTP, name this painter of American Gothic.

Grant Wood

(Miscellaneous)

17. The leader of the three investigators, the black slave in Poe's "The Gold Bug", Holst's bringer of jollity, the husband of Juno, Mozart's 41st symphony, and the largest planet in the solar system share a common name. FTP, what is it?

Jupiter [Wrong: Zeus]

(Literature: Children's)

18. It played hide-and-go-seek and furnished the leaves to crown the king of the forest, the apples to make a fortune, the branches to make a house, and the trunk to make a boat. Finally it had nothing to offer but its stump as a place to sit for the boy it loved. FTP, what was this ever-generous tree, whose tale was told by Shel Silverstein?

the giving tree

(History: Ancient)

19. It sided with Rome during the Third Punic War despite having been the oldest Phoenician colony in the western Mediterranean. After Rome won the war, this city became the capital of the new province of Africa. FTP, what was this early rival of Carthage located midway between Tunis and Bizerte?

Utica

(Geography: South America)

20. Its original inhabitants were tall and stuffed their boots with grass, providing the region's modern name which means "big feet." In 1865, Welsh settlers poured in; to this day some towns speak Welsh. An 1881 treaty divided the largely desert area between Chile and Argentina. FTP, what is this region, the retirement home of the original Dread Pirate Roberts?

Patagonia

(Sports)

21. Despite being one of the most successful athletes at the 1968 Olympic Games in Mexico City, winning 2 gold, 1 silver, and 1 bronze medal, he was disappointed and vowed to return for the 1972 Games and win an unprecedented 7 gold medals which he amazingly accomplished. FTP, name this American swimming great.

Mark Spitz

(Literature: American, 1951 - 1994, prose)

22. Upon returning from WWII, Hazel meets Asa Hawks, a blind preacher, and becomes determined to start his own ministry, the Church Without Christ. Follower Enoch Emery steals a mummy from a museum to serve as the new Jesus and jilted disciple Hoover Shoats sets up his own Holy Church of Christ Without Christ. FTP, identify this sanguine novel by Flannery O'Connor, her first.

Wise Blood

(Philosophy: Mormon)

23. Jacob, Enos, Jarom, Omni, Mosiah, Alma, Helaman, Ether, and First through Fourth Nephi, were inscribed on metal plates and delivered, in 1823, by the Archangel Moroni to Joseph Smith, who arranged for their publication. FTP, in which modern-day religious work do we find these books, a perennial best-seller in Utah?

The Book of Mormon

(Miscellaneous)

24. The name's the same. Henry assisted Dickens in editing Household Works, and edited many low cost editions of classics. Sylvanus directed the research at Chichen Itza. John was one of the best biographers of his time, writing on Voltaire, Rousseau, Cromwell and Gladstone. FTP, give the last named shared by Edward, the physicist best known for his 1887 collaboration with A. A. Michelson.

Morley

Drop to Five Competitors _____

(Literature: Shakespeare)

25. His father wagered his conquered lands on the outcome of a duel with the Danish king and lost. After the untimely death of that king, he was fired to retrieve his lost inheritance by making war on Denmark against the advice of his uncle, the King of Norway. FTP, who is this upstart who conquers the armies of Denmark just in time to arrive at Elsinore to find Claudius, Gertrude, Laertes, and Hamlet dead of their own hands?

young Fortinbras

(Miscellaneous)

26. In accordance with the threefold philosophy, namely, rational, natural, and moral, the threefold science of speaking arose, namely, of the suitable, the true, and the ornamental. Appropriate speaking is grammar, true speaking is logic, and ornamental speaking is rhetoric. FTP, what name did medieval scholars give to this tripartite science, the literary component of the quadrivium?

trivium

(History: Africa)

27. This man was the Lion of Judah to his people, but not the the Italians. They drove him out and he was not restored until Allied counter-invasion during WW II. Later in 1974 he was again driven out, this time by Marxists and he died in exile. FTP, who was this sometime autocratic emperor of Ethiopia, still beloved by Rastafarians?

Haile Selassie (Ras Tafari Makonnen)

(Geography: Europe)

28. This country leads the world in per capita exports, specializing in artificial teeth, of which it produces millions. About 10% of the government's revenue comes from postage stamps, although it doesn't even have its own postal service, relying on the Swiss instead. FTP, name this only intact sovereign state of the Holy Roman Empire, which is named for the family that bought its 625 square miles of land in 1700.

Liechtenstein

(Physics--History)

29. Take a beam of light and pass it through a beam splitter. Let the two beams travel paths of different lengths and then recombine to form interference fringes. Counting the fringes reveals the relative speed of light. To Lorentz, measurements suggested spatial contraction. They suggested the non-existence of the ether to Michelson and Morley. FTP, what is this scientific instrument?

interferometer

(History: European)

30. In his book, *Voyage of the Vega*, he tells of becoming the first person to sail through the Northeast Passage. He took his ship *Sofia* within 575 miles of the North Pole in 1868 and also determined that the interior of Greenland was completely covered in ice. FTP, who was this Swedish polar explorer, mineralogist, and map authority?

Baron Nils Adolf Nordenskjöld [NOOR-dun-shoold]

(Current Events)

31. A former Georgetown valedictorian and University of Chicago professor, in 1986 while serving on a circuit court of appeals he was selected by Ronald Reagan for the Supreme Court. A strict textualist, he was the sole dissenting vote in the recent VMI case. FTP, name this Justice, the mentor of Clarence Thomas.

Antonin Scalia

(Literature: Roman)

32. In its six books it puts forth an abiogenetic theory of evolution, an atomic theory replete with random "swerves" to account for matter, arguments for the infiniteness of space, a theory of vision, and theological arguments in favor of aloof, uncaring gods. FTP, what is this poetic treatise on physics, theology, and biology setting for the Roman conception of Epicurean philosophy by Titus Lucretius Carus?

De Rerum Natura (On the Nature of Things)

Drop to Four Competitors

(Philosophy: Concepts, 1000-1700)

33. It affirmed infant baptism, the authority of secular governments, the duty of bearing arms for the state, and predestination. They opposed the doctrines of purgatory and transubstantiation, reverence of saints and relics, and the power of the pope. FTP, what was this doctrinal statement issued in 1563 which remains the foundation of the Anglican church?

The Thirty Nine Articles

(History: Central American)

34. He was falsely accused of kidnapping a white child and arrested; he escaped and took several white hostages. When the government refused to negotiate, he hanged the hostages and led his Chiricahua Apaches in war. FTP, who is this Arizona and New Mexico chief who agreed to end hostilities in 1867 and lead his people to a reservation?

Cochise [koh-CHEEZ]

(Literature: American, 1951 - 1994, drama)

35. He recently published a book of essays entitled *Make-Believe-Town*. Among his early works are the one-acts *Duck Variations* and *Sexual Perversity in Chicago* and he wrote the screenplay for the 1980 remake of *The Postman Always Rings Twice*. FTP, identify this playwright who has also adapted his own plays for film, such as *Glengarry Glen Ross*.

David Mamet

(Linguistics)

36. Voiced aspirates become deaspirated. Voiced stops become voiceless. Voiceless stops become fricatives. FTP name this law of consonantal drift first put forth in the 1822 work *Duetsche Grammatik*, named after the man who discovered it.

Grimm's Law

(Miscellaneous)

37. David Schwimmer, Julia Louis-Dreyfuss, Warren Beatty, Brent Musberger and Charlton Heston are all alumni of what school, whose football coach, Gary Barnett, finally fulfilled his promise to "take the Purple to Pasadena" in January, 1996?

Northwestern University

(Literature: Children's)

38. At this place the grass grows soft and white and the sun burns crimson bright. The moon-bird rests from his flight, cooling in the peppermint wind. FTP, what is this place marked with chalk-white arrows for the children to follow, first described in print by Shel Silverstein?

where the sidewalk ends (Accept equivalents)

(Modern Culture: Film)

39. He has a problem with her hooking; she has a problem with his drinking. She was looking for safety after her Croatian pimp was murdered. He was seeking a final reprieve through alcohol. They met in Nevada and spent a few beautiful, tempestuous days together. FTP, what recent Nicholas Cage and Elizabeth Shue film features these characters?

Leaving Las Vegas

(Geography: European)

40. From the Turkish for "mountain", this peninsula is technically bordered by the Sava and Danube rivers on the north, geographically excluding Romania, a country usually considered part of it for political reasons, such as the starting of frequent European wars. FTP, what is this peninsula known as the "Powder Keg of Europe"?

Balkan Peninsula (Balkans)

Drop to Three Competitors _____

(History--Poland--20th century--political)

41. It contained the lower course of the Vistula except for Gdansk and was explicitly given in the Treaty of Versailles to Poland to provide access to the sea. FTP, what was strip of land which separated East Prussia from the rest of Germany whose annexation marked the beginning of World War II?

Polish Corridor

(Biology: Medicine)

42. Your leg begins to tremble. The muscles stiffen and weaken in the leg, and then your entire left side. You walk with a shuffle and cannot button your own clothes. Muscular rigidity causes a fixed, masklike facial expression. The prescribed treatment is L-dopa with carbidopa to reduce side effects. FTP, from which rarely fatal disease are you suffering?

Parkinson's Disease

(Physics: History)

43. He compared his theory of heat to Newton's theory of gravity, since he had taken the leap from proposing physical theories of heat to attempting to mathematically model it without regard to the fundamental interactions. He won the 1811 prize of the French Academy of Sciences for his work, despite objections made to some of his mathematics, including a method he invented of expressing arbitrary functions as an infinite superposition of sines and cosines. FTP, name this physicist.

Jean Baptiste Joseph Fourier

(Mathematics: Set Theory)

44. Enumerate the real numbers in a table. Now, construct a new real number such that its nth digit is equal to the nth digit of the nth number in the enumeration, plus one. This is certainly a real number, but by construction, it can't appear in the table. Hence it is actually impossible to produce such a table. FTP, this is a skeleton of whose diagonalization argument for the uncountability of the reals?

Georg Cantor's diagonalization argument

Prompt: uncountability

(Chemistry: Freshman)

45. Calcite and aragonite. White and grey tin. Orthorhombic, monoclinic, and eight other forms of Sulfur. Red and white phosphorus. Oxygen and ozone. Graphite, diamond, carbon black, and buckyballs. FTP these are examples of compounds with the same chemical formula but different structures. For ten points, what word, meaning "another form" is given to such substances?

Answer: allotropes (allotropy)

(Literature: English, poetry)

46. Her eyes were entitled to 1,000 years of praising, her breasts, 200 each, and the rest of her, 30,000 years, but because "time's wingéd chariot" could always be heard, her lover wanted to sport immediately "like amorous birds of prey" and let their love "like a vegetable empire grow" as if they "had world enough and time?"

his coy mistress (Andrew Marvell's coy mistress)

(Visual Art: Painting)

47. Two background friezes depict the expulsion from Eden and the sacrifice of Isaac. In the foreground, one group of Pharisees talks amongst itself; they ignore the second group of usurers who are being smacked about by Jesus the Christ with a whip within the house of the Lord. For ten points, what 1600 El Greco painting have I described?

Christ Driving the Traders from the Temple

Accept: Christ Driving the Money-Changers from the Temple

Accept: Christ Driving the Money-Lenders from the Temple

(Dance)

48. Its name was derived from the French word for scandal and was popular in Paris music halls in the 1840s. A famous melody for this dance is contained in "Orpheus in the Underworld" by Jacques Offenbach and Toulouse-Lautrec painted its performance several times. FTP name the high-kicking and suggestive dance that was considered vulgar when it was first popularized.

Cancan

Drop to Two Competitors

(Miscellaneous)

49. The mounts are named for Apollo, Venus, Jupiter, Saturn, Mercury, and Mars. Fleshy mounts indicate characteristics of that god. Wrinkles are called lines, and include fortune, marriage, heart, head, fate, health, and life: length indicates a positive future in that arena. FTP, what discipline features these queer notions associated with the hands?

palmistry (chiromancy, palm-reading)

(Fine Art: Concepts)

50. In October 1917, as World War I lurched into its final paroxysms, the first issue of a little avant-garde magazine quietly made its appearance in Holland. Its publisher had originally intended to call it *The Straight Line*, but Theo van Doesburg settled on another name. FTP, identify this magazine which glorified the straight line and the right angle, and which named an art movement.

De Stijl (The Style)

(Modern Culture)

51. The road is long and multicolored with shortcuts like the Rainbow Bridge and warps to various sweetmeats, but you must avoid cherry pitfalls and molasses swamps. FTP, what is this place of candy cane forests, gumdrop mountains, and gingerbread houses?

Candyland

(Literature: American, 1951 - 1994, drama)

52. Humiliate the Host, Peel the Label, Hump the Hostess, Portrait of a Man Drowning, and Get the Guests are all games suggested or played out in this drama, all framed by the much larger game concerning the imaginary son who George kills in *The Exorcism*. FTP, identify this play by Edward Albee.

Who's Afraid of Virginia Woolf?

(Religion)

53. God sends a series of prophets to teach eternal moral truths and to reveal new social principles suited to the times; all religions honor the same god and the highest form of worship is service to other human beings. For ten points, what is this outgrowth faith of Babism founded by Baha'u'llah in Iraq in 1863?

Bahai [Wrong: Babism]

(Physics)

54. Worldlines in Minkowski space with slope less than forty-five degrees cannot represent known particles because they correspond to space-like intervals, complex kinetic energy, and complex velocity, unless they are interpreted as moving backwards in time. For ten points, what name, from the Greek for "speed", is given to these hypothetical particles?

tachyons

(History--Middle East)

55. Iraq withdrew in 1959. In 1979 Iran, Pakistan, and Turkey withdrew and the organization dissolved. Later known as the Central Treaty Organization, its creation was pushed for by Great Britain in 1955 to prevent communist aggression. For ten points, what is this treaty named for the capital of Iraq?

Baghdad Pact

Accept: Central Treaty Organization (CENTO) before "Later"

(Miscellaneous)

56. Houses are pentagonal and there is a slight pull of gravity to the south. The social order runs from the acute triangles who do menial work to the middle class of squares and pentagons to the circular aristocracy. For ten points, what is this 2-dimensional place, the story of which is narrated by A. Square according to Edwin Abbott?

Flatland

Drop to One Lightning Champion!_____

(History: Ancient)

E1. Epaminondas and Pelopidas led their mother city and its Boeotian League to dominance with the 371 BCE defeat at Leuctra of the Spartans. This dominance lasted until 338 BCE when this city and Athens were defeated at Chaeronea by Philip II of Macedon. For ten points, name this Grecian city which also fought against a famous Seven.

Thebes

(Visual Art: Painting)

E2. The superintendent of the palace. The infant's duenna and a male chaperone. A dog. A dwarf. The three title characters. Philip IV and his queen. Maria Theresa. Diego Velázquez. For ten points, all of these characters appear in which 1656 Diego Velázquez work?

The Maids of Honor (Las Meninas)

(Literature)

E3. "Blessed be the Tie that Binds" is heard at Simon Stimson's funeral, George and Emily's wedding, Emily's funeral, and several other places in Thornton Wilder's story of two lovers from Grover's Corners. FTP, what is this drama that asserts that only "saints and poets" could truly understand life while living it?

Our Town

(General Knowledge)

E4. Absalom founded the first Episcopal church for African-Americans. Eli Stanley wrote "The Christ of the Indian Road" and was a missionary. Íñigo introduced Palladianism to England. Mary Harris led miner's strikes. Leroi was an author. Bobby was a golfer. John Paul was an admiral. Casey was an engineer. For ten points, what last name do all these people share?

Jones

(Political Science)

E5. The Office for Equal Opportunity, the Solicitor, Indian Affairs, Territorial and International Affairs, Energy and Minerals, Minerals Management Service, Land and Water Resources, and Fish and Wildlife Parks, are all, for ten points, units under which U.S. cabinet position?

Secretary of the Interior

(Geography--South America)

E6. To the southeast: the swampy Bañados de Izozog. In the southwest the Lake Poopô. Along the northeast border: the Mamoré and Guaporé rivers. Along the west border, the Cordillera subranges of the Andes. On the border: Lake Titicaca. In the mountains: Sucre and La Paz. For ten points, what landlocked South American country have I described?

Republic of Bolivia (República de Bolivia)

(History: European, social, 1900-1994)

E7. She entered the London-Melbourne airplane race in 1932 and won the Bendix Trophy race in 1938. While not aloft, she founded and administered a cosmetics firm. During WWII she organized and commanded the WASPs for which she became the first woman to receive the Distinguished Service Medal. FTP, who is this pioneering American businesswoman and aviator?

Jacqueline Cochran

(History: American, 1946-1994, social)

E8. A high school drop out, in 1963 he abducted a teenage girl at a Phoenix movie theater, drove her out into the desert and raped her. During his trial, his attorney said that he had not been informed of his right to legal council. FTP, identify this man whose case against Arizona over civil liberties went to the Supreme Court.

Ernesto Miranda