

**Iowa State University**  
**The Beautiful and the Damned**  
October 25-26, 1996 - Ames, Iowa

**First *Lightning* Round**

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(History: European)

1. Originally called Tsaritsyn, it was founded in 1589 to protect newly-acquired Russian territory on the Volga River. FTP, identify this city which, in 1942-43 was the site of a decisive battle in which the entire German Sixth Army under General Paulus was destroyed, often called the turning point of WWII.

Stalingrad (Volgograd)

(Painting: People)

2. This abstract painter's works, such as *Fish Magic*, are full of intricate pictography, reminiscent of children's drawings. He taught at the Bauhaus until 1933 when Nazis confiscated his work for being "degenerate." FTP, identify this Swiss artist, painter of *Figure in the Garden* and *Twittering Machine*.

Paul Klee [clay]

(Modern Culture: Film)

3. He has won more Oscars than anyone in history, a total of 32 statuettes and other awards. He got his start when, paired with Ub Iwerks, he did a series of animated cartoon sketches called "Laugh-O-Grams". FTP, identify this man, the originator and voice of a mouse called Mickey.

Walter Elias (Walt) Disney

(Physics: Concepts)

4. Choose an axis through a solid body and integrate the square of the distance over the mass distribution. The resulting quantity plays a role in rotational dynamics similar to inertial mass in linear dynamics. FTP, what is this quantity which, for a uniform sphere, is  $\frac{2}{5} MR^2$  for an axis through the center?

moment of inertia

(History: American, pre-WWII)

5. Whigs attacked his war record and alleged drinking problem with the chant, "a hero of many a well-fought bottle." A senator from New Hampshire, he was chosen by the Democrats to challenge the Whig Presidential candidate Winfield Scott. FTP, name this 1852 Presidential election winner and 14th President of the United States.

Franklin Pierce

(Literature: American, pre-1900)

6. Number 2: They require that the episodes of a tale shall be necessary parts of the tale, and shall help to develop it. Number 5: They require that when the personages of a tale deal in conversation, the talk shall sound like human talk... FTP, identify the Mark Twain essay which claims that there are nineteen rules, including the above two, governing romantic fiction, and that *The Deerslayer* violates eighteen of them.

Fenimore Cooper's Literary Offenses or The Literary Offenses of James Fenimore Cooper

(Life Science: History)

7. He showed how nerves controlled the flow of digestive juices in the pancreas and the stomach, winning the Nobel prize in 1904. He is more famous for asserting that all acquired habits and higher mental activity depend on chains of conditioned reflexes, like his famous dog which salivated when he rang a bell. FTP, who is this Russian physiologist?

Ivan Petrovich Pavlov

(Current Events)

8. In October, 1996 the grisly kidnapping, molestation and murder of four young girls sparked a week of protests culminating in a 250,000-person march on the nation's capital demanding that the government overhaul the justice system, a request that Prime Minister Jean-Luc Dehaene said would be met. Among the protestor's demands was the reinstatement of the death penalty in, FTP, what country, with capital at Brussels?

Belgium

(Sports: Football)

9. He was one of the famed "Seven Blocks of Granite" at Fordham in the 1930's. Later, he became an assistant coach at his alma mater and at West Point before moving on to the NFL. FTP, name this fabled coach who possesses a 9-1 playoff mark, the best ever, and led the Green Bay Packers to 5 NFL titles in the 1960's.

Vincent Thomas Lombardi

(History: China)

10. The terrible beauty of the 485 stone lions which grace the 140 balustrades of this 12th century stone bridge is overshadowed by a 1937 incident in which troops demanded access to the nearby walled city of Wanping. The city refused, and the Sino-Japanese war began. FTP, what is this bridge named for the most famous Venetian to cross it?

Marco Polo Bridge

(Hard Science: Astronomy)

11. George Airy ignored the predictions sent to him by John Adams. On the other hand, the similar mathematics of J.J. Leverrier were not ignored by Johann Galle and Heinrich d'Arrest who, in 1846, found a object not on any of the astronomical charts. FTP, what was this object whose existence was deduced from perturbations in Uranus' orbit?

Neptune (Accept: J.J. Leverrier before "J.J.")

(Philosophy: People)

12. He attacked previous pre-Socratic attempts to explain the universe in terms of one material substance, instead arguing that what exists is one, finite, motionless, spherical, and eternal. It cannot change states and all change and plurality are illusions. FTP, in whose poem *On Nature* can we find these musings?

Parmenides

(Geography: France)

13. Finistère, Côtes-du-Nord, Ille-et-Vilaine, and Morbihan contain the towns of Brest, Rennes, Lorient, St.-Malo, and Carnac, and are home to a Celtic people who until the 1900's spoke only a variant of Welsh and fought continuously to avoid French assimilation. FTP, what is this French peninsula between the Bay of Biscay and the English Channel?

Brittany (Bretagne) (Accept: Breton before "French")

(Sports: Non-Standard)

14. Novices in this sport begin with the 20 basic movements of Kitcho-Ilbo and progress through the eight Pal-Gwe and Tae-Guk forms before mastering Koryo as a black belt. FTP, what is this martial art of Korea?

Tae Kwon Do [tai-KWAHN-doh]

(History: Classical).

15. Persia invaded Syria in 260 CE and found Rome unable to defend its far-flung empire. One city founded on an oasis between the Mediterranean and the Euphrates, was saved by the leadership of Septimus Odenathus. Upon his death, he was succeeded by his widow Zenobia whose aggressive policy against Rome led to this city's sack in 274. FTP, name this city.

Palmyra (Accept: Zenobia before "widow")

(Anthropology)

16. This student of Bronislaw Malinowski produced the first formal study of the life, death, work, play, sex, family, and magic of the Gikuyu people of Kenya. He was also active in the Mau-mau nationalist movement and served as the first prime minister of Kenya. FTP →

P, who is this African statesman and scholar, the author of *Facing Mount Kenya*?

Jomo Kenyatta

(Literature: American, pre-WWII)

17. A realistic rags-to-riches story, the title character becomes the mistress of Charles Drouet rather than work in a shoe factory. She meets George Hurstwood, a wealthy saloon manager, and her rise is paralleled by his fall into poverty. FTP, identify this novel by Theodore Dreiser.

Sister Carrie

(Psychology)

18. Appointed an instructor in physiology at Harvard in 1872, he moved from science to philosophy with *The Will to Believe*. Prone to periods of severe illness, he spent a two-year invalidism on the preparation of *The Varieties of Religious Experience*. FTP, identify this early leader of American psychology and the co-founder of pragmatism.

William James

(Literature: Christian)

19. The first, with Mark and Barnabas, visited Cyprus and Asia Minor. The second and third visited northwestern Asia Minor, Macedonia, and various Greek cities like Corinth and Thessalonica and was accomplished with Silas and Timothy. FTP, what were these trips, crucial to the spread of Christianity?

the journeys of Saint Paul (Accept equivalents)

(Miscellaneous)

20. The name is the same: a small Los Angeles suburb whose art gallery contains both Thomas Gainsborough's *Blue Boy* and Thomas Lawrence's *Pinkie* and the country that was founded around 300 CE by a Christian stonemason named Marinus to escape Roman persecution. Today that country occupies a tiny, serene enclave in Italy. FTP, give the shared name.

San Marino

(Literature: Classical)

21. Propicola and Solon, Pelopidas and Marcellus, Aristides and Marcus Cato, Philopoemen and Flaminius, Numa and Lycurgus, Fabius and Pericles, and Romulus and Theseus are the pairs of ancient statesmen given comparative biographies by a first century CE Roman author. FTP, name this work by Plutarch.

*Parallel Lives of Greeks and Romans*

(History: Middle East)

22. He fled to Yathrib and, unintentionally, started a new calendar. Eight years later he returned and destroyed the heathen idols in the Kaaba temple. FTP, who is this most prominent figure of the Hegira, born in Mecca, and founder of the Islamic faith?

Muhammad

(Mathematics: Number Theory)

23. Take any integer less than ten thousand. Add the ones digit and the thousands digit, add thrice the tens digit, add twice the hundreds digit. This sum shares a number theoretic property with the original number and is smaller than it. FTP, what property is shared by these numbers, useful in determining whether a certain number of days corresponds to an integral number of weeks?

divisibility by seven

(Literature: English)

24. Listed as a comedy in the Quarto and as a tragedy in the Folio, there is no record of this play being performed before 1898. The play includes a cynical epilogue by Pandarus on traitors and bawds and the railery of Thersites. FTP, identify this Shakespeare play set during the Trojan War.

Troilus and Cressida

## Drop to Five Competitors

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(Fine Arts: Sculpture)

25. Born in 1935 in Gabrovo, Bulgaria, he made his first works mostly of can and bottles. He soon moved on the larger works, such as 1961's *Dockside Packages*, exhibited in Cologne, and 1962's *Iron Curtain--Wall of Oil Drums*, exhibited in Paris. His "umbrella" project in 1991 was responsible for the death of 2 people in Japan, and his most recent work involved wrapping the Reichstag [RIKZ-tahg] in silver plastic. FTP, name this artist.

Christo (Javacheff)

(History: Southeast Asia)

26. He became king while his country was still a colony, but led a successful drive culminating in independence in 1955 whereupon he took the title of prince and was elected premier. He was made chief of state in 1960. He oscillated between supporting the North and the South during the Vietnam War and was eventually deposed by anti-communist forces. FTP, who was this leading Cambodian statesman?

Norodom Sihanouk [NOR-ah-dum SEE-hah-nook]

(Literature: French)

27. Set in 1820's France, the socially ambitious main character becomes tutor to the family of the Mayor of Verrières whose wife he seduces. After being found out, Julien enters a seminary until he becomes the secretary for the Marquis de la Mole, whose daughter he seduces. FTP, identify this Stendhal work, whose title colors derive from Julian's decision between the church and the military.

The Red and the Black

(Classical Music)

28. Two Italian soldiers love two sisters of Ferrara but are induced to test their sweethearts' love by posing as two Albanian suitors. The women marry the Albanians, learn of the trickery, and proceed to make up to their lovers in, FTP, what 1790 Mozart opera?

Così fan tutte (Accept: So Do They All or reasonable translations)

(History: American, pre-WWII)

29. She was born only nine days before her grandfather, colonial governor John White, returned to England for supplies and people. As the youngest child of the colony, she was considered a symbol of prosperity to come. However, the nine days immediately after her birth are her only known history. FTP, identify this girl, the first English child born on the North American continent.

Virginia Dare

(Music: Musicals)

30. Its logo contains a bird, a woman's face, and a helicopter masquerading as a Vietnamese character. The musical itself contains such hits as "Sun and Moon," "Now That I've Seen Her," and "The Movie in My Mind." FTP, what is this Alain Boublil and Claude-Michel Schönberg production set in Ho Chi Minh City?

Miss Saigon

(Current Events: America)

31. As a state legislator he sponsored the first bill to make abortions legal and consistently led anti-growth movements, including a fight to keep the 1976 Olympics out of Colorado. Now he is railing against "generational malpractice" and insisting that all entitlements be cut. FTP, who is this "Governor Gloom" who sought, but failed to win, the Reform Party's nomination for President?

Richard Lamm

(Bible)

32. He was the handsomest man in Israel and stood a head taller than everyone else. Nevertheless he hid himself when the king was to be chosen by lot and had to be sought out to be crowned. His first act was to lead an army to the rescue of Jabesh-gilead which sealed his acceptance as the first king of Israel. FTP, who is this man, anointed by Samuel, who had only "slain thousands" compared to David's "ten thousands"?

Saul, son of Kish, of the clan of Matri, the Benjaminite

### Drop to Four Competitors

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(Life Science: Biology)

33. "On the Geologic Succession of Organic Beings", "Instinct", "Variation Under Domestication", "Variation under Nature", "Struggle for Existence", "Laws of Variation," and "Hybridism" are all chapters of--FTP--what seminal 1859 Charles Darwin work?

The Origin of Species

(Literature: American, post-1900)

34. Her first published short story was 1936's "Death of a Travelling Salesman." Among her novels are "The Robber Bridegroom" and "Delta Wedding." FTP, identify this author, whose works include the short story collections *A Curtain of Green* and *The Golden Apples* and the novel *The Optimist's Daughter*.

Eudora Welty

(History: European)

35. This line was founded in the 14th century by Andrei Ivanovich Kobyla, but it acquired its name from the father of Anastasia, the first wife of Ivan the Terrible. They began ruling all of Russia immediately after the Time of Troubles, when a "zemsky sobor," or "assembly of the land," choose one of them as tsar. FTP, name this ruling house of Russia from 1613-1917.

Romanov family or dynasty

(Computer Science)

36. The original UNIX editor "ed" had a command to globally search for a regular expression and print the lines containing it. This was used so often that it was repackaged as its own command--a general regular expression printer. FTP, what UNIX staple's genesis have I described, a command named for the acronym of its function?

grep

(Fine Arts: Indian)

37. "Gaja hasta" imitates an elephant's trunk and confers a blessing; "varada" indicates a boon; "dhyana" conveys meditation; "abhaya" confers benediction; hands showing "bhumi spashi" touch the earth; the "chin" indicates the realization of the absolute; and the "Dharma Chakra" symbolizes the wheel of fate. FTP, what are these stereotyped hand positions of Indian sculpture?

mudras



(History: American, post-WWII)

38. He had been an adviser to Roosevelt at Yalta, had been Secretary General at the organizing conference for the United Nations, and had at one point even given an old car to his accuser, Whittaker Chambers. FTP, who was this man accused of passing state documents, copies of which became known as the Pumpkin Papers?

Alger Hiss

(Literature: English)

39. Raised in the Scottish borderlands, this author began his career writing narrative poems, but gave up this form because "Byron beat me." A prolific author, he literally worked himself to death writing in his attempt to pay off debts caused by the failure in 1826 of a partnership in the printing business. FTP identify this author of *Minstrelsy of the Scottish Border*, *The Talisman*, and *Ivanhoe*.

Sir Walter Scott

(Modern Culture: Music)

40. He was born in Zanzibar as Frederick Bulsara and once ran an antique clothing stall in a market in Kensington. He began his musical career singing with Wreckage, a blues band. In 1971, he joined with bassist John Deacon and a couple of members of the defunct band Smile, Roger Taylor and Brian May to form a group that in 1976 had their first four albums in the Top 30 simultaneously. FTP, name this man, the former lead singer of Queen who died of AIDS complications in 1991.

Freddie Mercury

## *DROP TO THREE COMPETITORS*

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### *remaining three advance to second Lightning Round*

(Music: People)

E1. Pius IV commissioned eight cardinals to reform Italian church music. They were on the verge of recommending that only chants be kept when this man submitted three masses. The cardinals relented. FTP, who is this composer of the "Mass of Pope Marcellus II" (the model for all Roman Catholic masses) and the acknowledged master of polyphony?

Giovanni da Palestrina (Giovanni Pierluigi)

(Current Events)

E2. Born in 1943 in China, six weeks after her birth she and her parents were placed in a Japanese prison camp. In 1978 she became one of the first six women accepted for the astronaut corps. FTP, identify this woman who has set the American record for days in space.

Shannon Wells Lucid

(Modern Culture: Literature)

E3. This author's first collection of short stories, *Dark Carnival*, was published in 1947. His short story *There Will Come Soft Rains* was originally published in magazines ranging from *Planet Stories* to *The New Yorker*. FTP, identify the author of this story, which later appeared in *The Martian Chronicles*.

Ray Bradbury

(Physics: Concepts)

E4. For the hydrogen atom, it's a dying exponential in  $r$  with no angular variation. For the harmonic oscillator it's a Gaussian. For an infinite well, it's a sine wave. FTP, what name in quantum physics is given to the solution of Schrödinger's equation with the lowest energy?

ground state

*(History: European)*

**E5.** Colonel General Ludwig Beck, Major General Henning von Tresckow, and even Field Marshal Erwin Rommel (though he was too injured to actively participate) were among the conspirators in this unsuccessful plot to assassinate Adolf Hitler. FTP, give the name of this plot, personally carried out by Colonel Claus von Stauffenberg.

July or Rastenberg plot (Prompt on von Stauffenberg before "this")

*(Geography: Central/South America)*

**E6.** The only major landmass in this nation consists of one island located about 21 miles southwest of St. Lucia. Lesser islands include Union Island, Isle D'Quatre, Mustique, Baliceau, and Bequia. FTP, identify this Caribbean nation with capital at Kingstown.

St. Vincent and the Grenadines

*(Chemistry: People)*

**E7.** He saved the silk industry in France by wiping out the disease of pebrine, discovered optical isomerism in tartaric acid, disproved ongoing abiogenesis, saved the French wine industry with his namesake process, and discovered the process of vaccination including those for rabies and anthrax. FTP, who is the great French scientist, forever associated with milk?

Louis Pasteur

*(History: Europe)*

**E8.** According to legends, the abbey in this town was built in 166 AD at the request of King Lucius, the first Christian king in Britain, and claimed to house the tomb of St. Patrick of Ireland. Other legends hold that a thorn named for this town sprang from Joseph of Arimathea's staff and that the bones of King Arthur and Queen Guinevere were discovered here in 1191. FTP, name this town in Somerset County, England.

Glastonbury