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

## Round Eight

## Toss-ups

## (History: Germany)

1. A bland afternoon of calls to return to the Bavarian monarchy and denunications of the Weimar Republic was disturbed by a firebrand who called for a march on Berlin to install Ludendorff as dictator. The leader of the government was kidnapped by brownshirts and a revolution declared. FTP, what was this brief November, 1923 uprising which gave Hitler time to write Mein Kampf in jail?

Munich beer-hall putsch

## (Philosophy: Concepts)

2. People interpret their perception of things as true, not distorted. People judge subjectively on the basis of their own experience and taste. Language is imprecise and leads to confusion. Previous philosophies and laws of reasoning are flawed. FTP, what philosophical quadruplet are these, the nemeses of Francis Bacon?
the four idols
Prompt: Francis Bacon

## (Sports: Other)

3. In 1972, Canada retained its world title in this sport in one of the most freakish accidents of all time. When a U.S. team seemed to have beaten them 10-9 in the final, the U.S. skip leaped for joy and moved a stone upon coming back down to the ice. That stone being disqualified, Canada won 10-9. FTP, identify this winter sport in which competitors try to bowl their stones across the ice and into the house.

## Bonuses

## (Geography: Benelux)

1. VISUAL BONUS. The moderator will provide you with a map of the Benelux nations. Answer the following questions for the stated number of points.
A. Which letters are closest to Antwerp, Brussels, and Amsterdam in order?

D; $\underline{\mathrm{F}} ; \underline{\mathrm{A}}$
B. For ten points, in what body of water does M lie? Waddenzee [VAHD-den zay]
C. For five points, on what river do " $G$ " and " $H$ " lie? Meuse [MYOOZ]
(Life Science: Biochemistry)
2. Given a hormone name the gland where it is produced for ten points a piece.
A. aldosterone adrenal cortex
$B$. luteinizing hormone pituitary
C. melatonin pineal
(Literature: Scandinavian)
3. Given the Norse god, give me the villain that both slays and is slain by him or her at Ragnarok for ten points apiece.
A. Odin

Fenris the Wolf (Fenrir)
B. Thor
the Midgard Serpent
C. Hejmdall

Loki

## (Modern Culture: Other)

4. While with the New York Herald, he created the comic strip "Buster Brown". His better known comic creation started out known as "Hogan's Alley", but was changed to reflect the color of clothing of its central character. Due to his talents he was the focus of an intense bidding war between Randolph Hearst and Joseph Pulitzer. FTP, identify the cartoonist, the creator of the "Yellow Kid" strip.

Richard Felton Outcault

## (Literature: American, post-1900)

5. This author's works alternately deal with homosexuality, such as Giovanni's Room, and race, such as Another Country. A friend of Richard Wright, he published the collection Notes of a Native Son in 1955. FTP, name this author whose conversion to a Pentecostal preacher served as the basis for his first novel Go Tell It on the Mountain.

James Baldwin

## (History: Ancient)

6. He was said to be the grandson of Aeneas and founded the line of British kings that included Cymbeline, Cole, and Arthur. FTP, who was this legendary first king of Britain who shares his name with the most honorable of Caesar's assassins?

Brutus (Brut, Brute)

## (Medicine)

7. It's often confused with neuritis and radiculopathy, but this condition causes no permanent damage to nerves and occurs in only two of them, the trigeminal and the glossopharyngeal. It is sometimes known as tic douloureux from the French for painful twitching. FTP, what is this condition of repeated stabs of pain, from the Latin for "nerve" and "pain"?

## neuralgia

## (Computer Science)

4. Given the progamming language, give its operator for "not equal" for ten points apiece.
A. Pascal
B. C
C. FORTRAN
ne.

## (Physics: Newtonian)

5. Answer the following questions about chaos theory for ten points apiece.
A. What name is given to a fractal in phase space to which trajectories converge?
strange attractor
B. Under chaotic conditions, phase space trajectories will depart from the expected route exponentially as $\mathrm{e}^{\text {at }}$. What name is given to the scaling factor $a$ in that expression?

Lyapunov exponent
C. What number, approximately 4.67 , mystically reappears in apparently different problems exhibiting chaos?
the Feigenbaum constant

## (Modern Culture: Music)

6. AUDIO BONUS. The moderator will play excerpts from three early rock tunes for ten points apiece. Give titles, FTP ayiue.
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A. "Johnny B. Good"
B. "Roll Over Beethoven"
C. "Stand By Me"
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(History: Central America)
7. Given the prominent American city of yesteryear, identify the culture with which it is most associated for ten points apiece.
A. Chichen Itza

Mayans
B. Machu Picchu

Incan
C. Monte Alban

Zapotec

## (Geography: Asian)

8. It is formed by the Ravi and the Sutlej rivers and flows between the Thal and Thar deserts, south of the Sulaiman Range and across the Sind plain before emptying into the Arabian Sea near Karachi. FTP, what is this Asian river which mothered the cities of Harappa and Mohenjo-Daro?

Indus

## (Literature: French)

9. In 1852 he discovered the writings of Edgar Allen Poe and began translating them into French. These translations, along with his own poems such as "Don Juan in Hell" and "Litany to Satan," helped launch the Symbolist movement. FTP, identify this author of Les Fleurs du mal.

Charles Baudelaire

## (Chemistry: Physical)

10. Take a closed container of water vapor with density 0.322 grams per cubic centimeter and lower the temperature. Density fluctuations grow and last longer. Scattering increases dramatically and the system begins to look milky. Finally some high- and low-density span the container and separate. FTP, what phenomenon of substances at their critical point have you observed?
critical opalescence

## HALFTIME

## (History: American, pre-WWII)

11. This country had its beginning when American settlers revolted against a new dictator in 1834 and was firmly established after the battle of San Jacinto. It passed the first homestead exemption act, later adopted by many of the united states, but allowed slavery. FTP, what this decade-old republic which was absorbed into the U.S. in 1845 and whose first president was Sam Houston?

Republic of Texas

## (Current Events: America)

8. Answer the following questions on the welfare reform bill of 1996 for ten points apiece.
A. What absolute limit on total time on welfare during a person's life was enacted?
five years
B. What do single mothers need to do to avoid losing $25 \%$ of their benefits?

Cooperate in identifying the father
C. Within five million dollars, how much does the bill provide to create public jobs?
$\underline{0}$ [Accept: $\$-5,000,000$ to $\$ 5,000,000$ ]

## (Visual Art: Painting, recognition)

9. VISUAL BONUS. The moderator will show you paintings done in three 20th century styles. Identify the styles for ten points apiece.
A. Futurism
B. Dadaism
C. Neoplasticism (De Stijl)

## (Literature: American, post-1900)

10. Identify the Robert Frost poem from lines FTP each
A. "And both that morning equally lay / In leaves no step had trodden black."
"The Road Not Taken"
B. "I found a dimpled spider, fat and white, / On a white heal-all, holding up a moth" "Design"
C. "My little horse must think it queer / To stop without a farmhouse near"
"Stopping by Woods on a Snowy Evening"
(Sports: Basketball)
11. I'll give you a head men's basketball coach at an American college or university.

You give me the school at which he coaches for ten points apiece.
A. Fran Dunphy

University of Pennsylvania
B. Bill Frieder

Arizona State
C. Danny Nee

Nebraska

## (Painting: People)

12. Nearly all of the father's paintings are lost, but his drawings including The Crucifixion and The Annunciation were willed to the sons. The elder son became famous for large paintings of religious processions while the younger became famous for small, religious figures in open landscapes like his Saint Francis in Ecstasy. FTP, who was this family of Venetian painters in whose studio Titian was apprenticed?

Bellini (Jacopo, Gentile, and Giovanni)

## (Literature: American,pre-1900)

13. The father was a minor transcendentalist and established the Temple School in Boston. The daughter fictionalized her time as a nurse in Hospital Sketches. FTP, identify the surname of the authors Bronson and Louisa May.

## Alcott

## (History: England)

14. Robert Peel and Richard Cobden clashed on this issue in the 1840's; Peel defended the current law which worked for landowners by keeping food prices high and Cobden argued for free trade in light of the Irish famine. FTP, what were these laws, repealed in 1846, named for the grain whose price they protected?

## Corn Laws

## (Mathematics: Statistics)

12. You are given a probability density function $f(y)$ defined on the real line.
A. What name is given to the integral of this function from 0 to $x$ ?
the probability distribution function $F(x)$ of $f(y)$
B. What name is given to the expected value of $\mathrm{e}^{\text {ty }}$ ?
the moment-generating function of $f(y)$
C. What name is given to the expected value of $y^{n}$ for some positive integer $n$ ? nth moment of $f(y)$

## (Classical Music: Recognition)

13. AUDIO BONUS. The moderator will play three excerpts from operas. Identify the operas for ten points each.
A. Die Zauberflöte (The Magic Flute)
B. Siegfried
C. La Traviata
(Fine Arts: Theater)
14. Answer the following questions about Elizabethan theater FTP each.
A. He was the son of the man who built the first playhouse in London. He was the originator of many of Shakespeare's main characters.

## Richard Burbage

B. Later renamed the King's Men, Shakespeare belonged to this acting company.

Chamberlain's Men
C. Originally an abandoned monastery near St. Paul's, it was renovated in 1576 into the first private indoor theatre. It was owned by Richard Burbage.

Blackfriars Theatre

## (Literature: Miscellaneous)

15. Stern's Tristram Shandy is one of the earliest and most famous examples. Flann O'Brien's At Swim-Two-Birds is about as thick as it gets, with the novel being about writing novels that write themselves. Others include Vladimir Nabokov's Pale Fire about a mad annotator and John Barth's Letters in which the characters and the author exchange epistles. FTP, identify this literary term describing fiction which exposes its own fictional nature. metafiction

## (Current Events: Science, Biology)

16. This was thought essential for female mammals to give birth to and nurse their young and was routinely used to induce labor in women. That conventional wisdom now lies in ruins after scientists created mice which lack working genes to produce this hormone. Only nursing appears to require it, not birthing nor copulation. FTP, identify this small amino acid hormone whose reputation just got a lot smaller.
oxytocin

## (History: South America)

17. He arranged for general emancipation in 1888 leading to overthrow by the army, opened the Amazon to world commerce, and assisted in the overthrow of Argentine dictator Jam Manuel de Rosas. FTP, who is this Brazilian emperor from 1841-1889, the son of Pedro [PAY-throo] I?

Pedro [PAY-throo] II
(History: American, pre-1800)
15. During the 18th century, there were a string of religious revivials in the colonies.
A. For five points, identify the term given to this general period of spiritual
revivalism.
the Great Awakening
B. For five points each, identify the most famous of the Great Awakening preachers and his most famous sermon which likened listeners to a spider suspended over a flame.

Jonathan Edwards, Sinners in the Hands of an Angry God
C. For fifteen points, identify the Anglican minister who preached in the colonies from 1739-41. After returning from the colonies, he broke with John Wesley to become leader of the Calvanistic Methodists in London.

George Whitefield

## (Fine Arts: Music)

16. Answer the following questions on songs about America for ten points apiece. A. What (precisely) reposes in dread silence in the second verse of The Star Spangled Banner?
the foe's haughty host
B. What does the singer's heart do in the second verse of My Country 'tis of Thee? with rapture thrills
C. What did pilgrim feet beat across the wilderness in the second verse of America the Beautiful?
a thorough-fare for freedom
(Chemistry: History)
17. Given each of the three most prevalent atmospheric gases, identify the man who first isolated and discovered it for ten points apiece.
A. Nitrogen

Daniel Rutherford
B. Oxygen

Joseph Priestly
C. Argon (two answer needed)

John W. Strutt (Lord Rayleigh) and Sir William Ramsey

## (Engineering)

18. Mix hexamethylenediamine and adipic acid together and put the resulting salt into an autoclave to induce polymerization. The resulting solid is not affected by mildew, oil, grease, or household cleaning fluids, and, when forced through a spinnaret, drawn, and wound on bobbins, forms the first superior synthetic fabric. FTP, name this discovery of du Pont chemist Wallace Carothers.
nylon

## (Bible)

19. He converted to Christianity during Paul's first journey and joined Paul on his second journey. After Paul's death he replaced him as bishop of Ephesus. Two of the three "Pastoral Epistles" are addressed to him and contain advice on church government and teaching. FTP, who is this lifelong friend of Paul and valuable grass crop?

Timothy of Lystra

## (Literature: Shakespeare)

20. This play has been connected to the mysterious "lost" Shakespeare play Love's Labor's Won. Opening in Rossillion, France, it tells of Helena's attempts to capture her husband Bertram by tricking him into sleeping with her. FTP, what is this play who's title states that the ends justify the means.

All's Well That Ends Well
(Literature: English)
18. Identify the author; 30-20-10.

30: The poetic drama The Dynasts and the novel Under the Greenwood Tree.
20: The poems "Channel Firing" and "The Convergence of the Twain."
10: The novel Far From the Madding Crowd.
Thomas Hardy

## (History: European)

19. Identify these people associated with peace for ten points each.
A. This Dutch statesman's 1625 "On the Law of War and Peace" defined the notion of "neutral nation" and formed the basis of International Law.

## Hugo Grotius

B. In 1898 this man was the first ruler to call for an international disarmament and arms limitation talk; it was held at The Hague the following year.

Czar Nicholas II Romanov
C. This man so regretted the deaths due to his most famous invention that his will allowed for the creation of an annual prize honoring those whose lives promoted peace.

Alfred Bernhard Nobel
(Hard Science: Mayan)
20. Answer the following questions about the exact sciences of the Maya for ten points each.
A. On your pad, write " 15 "in Mayan numerals.

The drawing should be three closely spaced parallel lines,
either horizontal or vertical.
B. The motion and appearance of which heavenly body was the most important for political, religious, and military prophesies?

Venus
C. The Maya had two calendars, an astronomical one with 365 days and a sacred one. How many days were in the sacred calendar?
$\underline{260}$

END OF ROUND
(Modern Culture: Music/Film)
E1. A four song EP entitled "Quattro Formaggi" was recently released by his band Dogstar. FTP name this actor turned bassist who portrayed rocker Theodore Login in "Bill and Ted's Excellent Adventure."

Keanu Reeves

## (Literature: South American)

E2. His first published work was a three act play The Escape of the Inca. His first novel was The Time of the Hero set in a Peruvian military school. FTP, who is this man who in 1990 ran unsuccessfully for president of Peru, author of Aunt Julia and the Scriptwriter? Jorge Mario Pedro Vargas Llosa [Yo-sa]

## (History: India)

E3. John Holwell claimed that 123 of 146 people died, but later counts showed no more than 43 British soldiers unaccounted for after the battle. Nevertheless, Holwell's original claim did much to promote anti-Indian feeling. FTP, what was this incident in which British prisoners of war suffocated after being locked in a small room overnight after losing control of their fort at Calcutta?

Black Hole of Calcutta
(Philosophy: People)
E4. He wrote "Westward the course of empire takes its way," prior to an attempt to found a college in the Bermudas, but failed and returned to England. He became notorious for decrying the use of infinitesimals in mathematics and for claiming that things exist only when observed, but that God observes all things at all times to maintain their existence. FTP, who is this Irish idealist bishop?

Bishop George Berkeley [BARK-lee]

## (History: America, post-WWII)

E1. Given each of the following student acts or movements, identify the university at which each began for ten points apiece.
A. Free Speech Movement

University of California at Berkeley
B. Students for a Democratic Society

University of Columbia
C. Teach-ins

University of Michigan at Ann Arbor

## (Foreign Language: French)

E2. Spell the plurals of each of the following French words for ten points apiece.
A. la femme [luh fehm]

L-E-S F-E-M-M-E-S
B. l'oeil [lee-uhl]

L-E-S Y-E-U-X
C. je [zhuh]

N-O-U-S [noo]

## (Modern Culture: Music)

E5. Paul McCartney once said that it was one of his favorite songs
because it was so unusual. An extra minute and a half was restored, including Brian Jones of the Rolling Stones playing saxophone, for the Beatles Anthology 2. FTP, identify this song, the B-side of the Beatles last single.
"You Know My Name (Look Up the Number)"
(Miscellaneous)
E6. The conversion of a bra into a ket. Premultiplication by a group element coupled with postmultiplication by its inverse. The exchange of DNA by two bacteria through a temporary tube. The fusion of two thallophytic gametes to form a nucleus. The declension of a verb. FTP, what name is given to all of these processes?
conjugation



