

Iowa State University The Beautiful and Damned

October 25-26, 1996 - Ames, Iowa

Round Eleven

Toss-ups

(History: American, social, 1950-)

1. It began as a channel designed to connect the upper and lower levels of the Niagara River. When this project was abandoned, Hooker Electrochemical Corporation bought it to use as a toxic waste site. After closing and sealing the site, Hooker deeded it to the Niagara Falls Board of Education, who built a school and community on the site and all was well until the toxic wastes began seeping in basements in the late 1970's, forcing evacuation of the town. FTP, identify this site, located in upstate New York, perhaps the most famous toxic waste site in the US.

Love Canal

(Literature: American, 1951 - 1994, prose)

2. Most of this author's work concerns the lives of upper-middle-class suburbanites, such as the collections *The Way Some People Live* and *Some People, Places, and Things That Will Not Appear in My Next Novel*. FTP, identify this author who won the National Book Award for his 1957 novel *The Wapshot Chronicle*.

John Cheever

Bonuses

(Classical Music: Recognition-AUDIO)

1. The moderator will play three excerpts from tone poems. Identify each for ten points apiece.

A. Richard Strauss' *Also Sprach Zarathustra* (*Thus Spoke Zarathustra*)

B. Jean Sibelius' *Finlandia*

C. Sergei Rachmaninov's *Isle of the Dead*

(Biochemistry)

2. For ten points apiece name the organ or gland that produces the following hormones.

A. Glucagon

Pancreas

B. Prolactin

Pituitary gland

C. Hydrocortisone

Adrenal gland

(Classical Music)

His music has been described as "unmistakably Gallic." He wished his *Requiem* to be so gentle that he omitted the text of the *Dies Irae*.

Similarly, his song-cycle *La bonne chanson* is derived from the poetry of Verlaine. FTP, name this French composer and student of Saint-Saëns whose surname is a homonym for the verntures he ultimately made into subtle impressionist work.

Gabriel Fauré

(Sports: Baseball)

4. His 9 home runs led all major leaguers in 1909, the last year he won a pennant. He also shares a record by hitting 5 homers in back-to-back games. FTP, name this player whose 4191 hits and .367 lifetime batting average belies his surprising power.

Tyrus Raymond (Ty) Cobb

(Astronomy)

5. This planet was originally thought to be two planets - named Hesperos and Phosphorus - because its close proximity to the sun allowed it to be seen from Earth in only the morning or evening sky. Its rotation is so slow that its day is almost as long as its year. FTP, name this planet that shares a name with the ancient Roman goddess of beauty.

Venus

(History: Europe)

3. Answer the following questions about the 20th century Papacy for ten points apiece.

A. Which two popes presided over the Second Vatican Council?

Pope John XXIII (Baldassare Cossa), and Pope Paul VI (Giovanni Battista Montini)

B. What 1968 encyclical declared that every use of the marriage sexual act "must remain open to the transmission of life"?

Humanae Vitae

C. John XXIII's two most important encyclicals were written in 1961 and 1963; one was on international peace and the other on social justice. Name either.

Mater et Magistra or Pacem In Terris

(Dance)

4. FTP each, given a description of turned out foot position in classical ballet, give its number.

A. heels apart and feet forming a straight line

2

B. one foot in front of the other with heel against the joint of the big toe

5

C. feet apart, one in front of the other

4

(Literature: American, drama, 1951-1994)

5. Given a description, identify the Tennessee Williams play FTP.

A. Amanda Wingfield attempts to find a husband for her daughter Laura. Her son brings home Jim O'Connor who turns out to be already engaged.

The Glass Menagerie

B. In Williams' only nonrealistic play, characters both real and fictional, such as Casanova and Don Quixote, populate a small Mexican town.

Camino Real

C. All of the play's action takes place on the veranda of the Costa Verde Hotel. The main character is T. Lawrence Shannon, an ex-minister and tour guide.

The Night of the Iguana

(Film)

6. He films include *The Squaw Man* (1931), *Wuthering Heights* (1939), and *The Best Years of Our Lives* (1947). Famous for his verbal gaffs, he is rumored to have said "Any man who sees a psychiatrist should have his head examined." FTP, identify this man, the G in MGM.

Samuel Goldwyn

(Geography: Asian)

7. Temple of the White Cloud, Altar of the Sun, Temple of Heaven Park, Altar of the Moon, Temple of Agriculture, Joyous Pavilion Park, Gate of Heavenly Peace (or Tien An Men), The Great Hall of the People, the Museum of the Revolution, and the summer palace of the Manchus, are all--FTP--in which Chinese city?

Beijing

Accept: Peking

Wrong: Forbidden City, Imperial City, Inner City

(History: European, social, 1751-1900)

8. The father of the writer Madame de Staël was a crafty banker who successfully delayed the trouble brewing in Louis XVI's extravagance and support of the American revolution, though he angered the court by publishing records of the use of tax revenues. FTP, who is this finance minister whom the French public forced the king to take back after his abrupt dismissal in 1789?

Jacques Necker [neh-KAIR]

(History: Middle East)

6. Answer the following questions about the PLO for ten points each

A. This was the largest and most powerful of the nine political factions which formed the PLO; it came to dominate the organization in 1967.

Palestine National Liberation Movement (al Fatah)

B. This country was the first home of the PLO.

Jordan

C. In which country was the 1974 meeting held which decreed the PLO the sole representative of all Palestinians leading to an invitation to address the U.N.?

Morocco

(Mathematics: Statistics)

7. VISUAL BONUS. The moderator will hand you a page containing three statistical density functions. Identify them for ten points apiece.

A. geometric

B. uniform

C. chi-square

(Literature: Shakespeare, Major)

8. Answer the following questions about Shakespeare's *Twelfth Night* FTP each.

A. The phrase, "Some are born great, some achieve greatness, and some have greatness thrust upon them", first appears in a letter addressed to which character?

Malvolio

B. What is the name adopted by Viola when she disguises herself as a man?

Cesario

C. What is the name of Olivia's oft-drunken uncle who is married to the servant girl Maria at the end?

Sir Toby Belch

(Astronomy)

9. To the northeast: big red things. To the northwest: hot blue things. To the southeast: tiny white things. To the southwest: tiny brown dwarf things. Near the middle, the sun. FTP, at which astronomical diagram are you look?

Hertzsprung-Russell Diagram

(History: Central America)

10. The Aztecs got their rubber from the present-day Tabasco and Veracruz states, leading them to name that regions' previous high culture "the rubber people." This earlier culture produced the first known writing in the Western hemisphere, worshipped a half-man, half-jaguar god, and was able to sculpt perfectly concave mirrors out of hematite. FTP, what is this culture which flourished from 1200 BCE to 100 BCE?

Olmec

HALFTIME

(Current Events: Around-the-world)

9. Identify the following people whose diplomatic visits have made the news and enemies recently (as of October, 1996).

A. This U.S. Senator toured Nigeria and has become a friend to the bloody Abacha regime.

Carol Moseley-Braun [MOHZ-lee brawn]

B. This Turkish Prime Minister set off a flurry of protests when he visited Muammar al-Qadhafi in Libya.

Necmettin Erbakan

C. This Middle East leader visited Jerusalem for the first time in 29 years in October, 1996.

King Hussein ibn Talal

(Sports: Olympics)

10. Three times since 1896, the Olympic Summer Games have been cancelled due to wars. Identify the following cities that missed a chance to host due to WWI or WWII.

A. Slated to host the 1916 Games, it later received the 1936 Games where Jesse Owens shined.

Berlin

B. Originally scheduled to host the 1940 Games, this city's national government renounced the Games in 1938 to continue its military preparations.

Tokyo

C. A replacement for Toyko, the outbreak of WWII meant that it would have to wait until 1952 to host the Games.

Helsinki

(History: China)

11. During this dynasty's rule All Men are Brothers was published; Kuan Hanching lived and worked; Phagspa Lama devised a syllabic alphabet capable of rendering Tibetan, Sanskrit, and Uighur; and China reached its greatest physical extent. However, internal repression was great, Marco Polo reported, and the dynasty came to an end in 1371 with the Red Turban uprising. FTP, what was this only Mongol dynasty of China?

Yuan

(Literature: English, - 1700, poetry)

12. A series of dreams, this poem begins with a vision of the world seen from the Malvern Hills in Worcestershire, where the poet is believed to have been born. Written beginning in the 1360's, it is a long alliterative allegory relating to 14th century England. FTP, identify this poem by William Langland.

Piers Plowman

(Biology: Cellular)

13. These protozoa possess a stiff outer layer and feed with an oral groove. They normally divide asexually but can also conjugate by swapping parts of their nuclei. FTP, what are these animals of class Ciliata?

paramecia

(Visual Arts: Painting, people)

11. Identify these Russian-born artists for ten points apiece.

A. This man is generally considered the first abstract painter. He was a founder of The Blue Rider movement and wrote *On the Spiritual in Art*.

Vassily Kandinsky

B. Her trademark creations are "total environments" and "assemblages" usually painted black or gold or left their natural color.

Louise Nevelson

C. This man was thoroughly conversant with Byzantine technique and became the greatest icon painter of the 15th century.

Andrei Rublev

(Geography: Europe, Scandinavia)

12. VISUAL BONUS. The moderator will provide you with a map of Scandinavia with six bodies of water marked on it. Identify them for five points apiece.

"A": Skagerrak

"B": Kattegat

"C": Lake Vanern (umlaut on "a")

"D": Gulf of Riga

"E": Gulf of Finland

"F": Gulf of Bothnia

(Literature: German, prose)

13. Identify the Franz Kafka work from a description FTP.

A. Joseph K., a bank official, is arrested and executed for a crime that is never defined.

Der Prozess or The Trial

B. Karl Rossman is sent abroad by his family where he is exploited at every turn until in the final chapter he is admitted to the "nature-theatre of Oklahoma."

Amerika

C. This short story tells of an officer who, to demonstrate his loyalty, submits himself to the mutilations of his own torture machine.

In der Strafkolonie or In the Penal Colony

(History: American, political, -1800)

14. The fighting occurred during the summer of 1676. Following the death of Massasoit, the Puritans attacked. The Wampanoag were led by Massasoit's son Metacombet, who was eventually killed. FTP, name this war, named after Metacombet's nickname which he acquired due to his adoption of European dress and customs.

King Philip's War

(Computer Science)

15. Each one consists of a header, a global color table, image data, and a trailer. The image data is LZW compressed. Optional blocks can add interlacing, transparency, animation, and comments. FTP, what is this image file format originated by Compuserve whose most recent version is 89a?

graphical interchange format (GIF)

(Philosophy: 1900-, Concepts)

16. We understand what we mean by a diamond by what it does do, could do, and might do. The meaning also includes how we are likely to behave in its presence. The purpose of thought is to produce beliefs upon which we can act confidently. These are some tenets of *How to Make Our Ideas Clear*, a tract by C. S. Pierce [purs] on--FTP--which philosophical movement?

pragmatism

(Physics-Thermodynamics)

17. Each receives one-half kT of energy according to the equipartition theorem. For gases, three come from translational motion, two or three from rotational motion, and possibly very many more from vibrational motion. FTP, what are these thermodynamic quantities corresponding loosely to the number of ways in which an object can move or store energy?

degrees of freedom

(Psychology)

14. Answer the following questions on theories of personality FTP apiece.

A. The ancient Greeks believed that four humors ruled the personality. For 5 points for two, or 10 for all four, name the four types of humors.

blood, phlegm, yellow bile (choler), black bile (melancholy)

B. This psychoanalyst refined Freud's theory of personality. He stated that there are 8 stages of development that occur throughout the lifespan.

Erik Erikson

C. Once you have personality, you need to test it. FTP, identify the projective inkblot test developed in an attempt to eliminate the lack of empirical validity suffered by the Rorschach.

Holtzman inkblot test

(Visual Art: Painting, recognition)

15. The moderator will show you three paintings of dead or dying leaders. Identify the painter and the painting of each for five points per part.

A. *The Death of General Wolfe* by Benjamin West

B. *The Death of Germanicus* by Nicholas Poussin

C. *The Death of Marat* by Jacques-Louis David

(Literature: American, 1851 - 1900, prose)

16. Answer the following questions about *Moby Dick* for the state number of points.

A. For 5 points, name the boat on which most of the story takes place.

the Pequod

B. FTP, he is crewmember on the Pequod who befriends Ishmael at the beginning of the book, giving him a shrunken head.

Queequeg

C. For fifteen points, give the name of the ship which rescues Ishmael in the final line of the novel.

the Rachael

(History: Ancient)

17. Given the city, name the ancient Empire ruled from it for ten points apiece.

A. Ecbatana

Median Empire (Medes)

B. Hattusas

Hittite Empire

C. Hecatompylos

Parthian Empire

(Modern Culture: Literature)

18. It is written in three parts: Fiat Homo, Fiat Lux, and Fiat Voluntas Tua. Occuring after the Great Flame Deluge, it tells the story of one monastery's attempt to preserve the knowledge of a pre-nuclear holocaust civilization as mankind rebuilds itself. FTP, identify this science fiction novel by Walter Miller, Jr.

A Canticle for Leibowitz

(Musicals)

19. The music and lyrics for this play were written in 1971 by a group called The Open Window, which included Peter Schikele of P.D.Q. Bach fame. Devised by Kenneth Tynan, its writers were told to "write about anything in the world within the realm of sexuality" so long as it has "absolutely no redeeming social value." For 10 points, name this long-running play which, despite its title, isn't really about India.

Oh! Calcutta!

(Literature: Children's)

20. He lives at the far end of town where the Grickle-grass grows, but he stays in the Lerkim on top of his store. He invented the Super-Axe-Hacker which he used to beco me a thneed-magnate, employing his entire family. FTP, who is this greedy businessman whose destruction of the Truffula trees earned him the enmity of the Lorax?

the Once-ler

END OF ROUND

(Chemistry: Freshman)

18. Given the compound, give the name for the structure predicted for it by the Valence Shell Electron-Pair Repulsion theory for ten points apiece.

A. Boron trifluoride

trigonal planar

B. Sulfur dioxide

bent (angled)

C. Phosphorus trichloride

trigonal planar

(History: American, social, -1800)

19. Answer these questions about the early days of New England FTP each.

A. Carrying the Massachusetts Bay Charter, this man established Boston in 1630. He later served as president of the New England Confederation.

John Winthrop

B. This man was banished from Boston by Governor Winthrop. Preaching the separation of church and state and paying the Indians for land, he founded Providence, Rhode Island in 1636.

Roger Williams

C. Also banished by Winthrop, this woman preached the personal apprehension of God's grace. After being exiled, she founded Portsmouth, Rhode Island in 1638.

Anne Hutchinson

(History: Miscellaneous)

20. Given a major character or characters of a Barbara Tuchman historical work, name the work for ten points apiece.

A. Enguerrand VII de Coucy

A Distant Mirror

B. King Albert I, Winston Churchill, General Samsonov

The Guns of August

C. Richard Strauss, Count Witte, Ravachol, M. Sadi-Carnot

The Proud Tower

(Modern Culture: TV)

E1. His badge number was 6316, his superior was Captain Trunk, and his partner was Dori Doreau. He carried a bazooka in his trunk, and his bumper sticker read "I Love Violence." FTP, name this officer whose favorite charity was "Toy Guns for Tots", and who often said "Trust me, I know what I'm doing."

Sledge Hammer

(History: Europe)

E2. Henri Brialmont designed the ring of twelve forts around this city at the request of Leopold II. They were not designed as last-ditch retreats to withstand a siege, but nevertheless they delayed the German advance by two weeks at the beginning of World War I. FTP, what was this Belgian city at the junction of the Meuse and the Ourthe rivers?

Liège

(Philosophy: People, -200)

E3. Despite his nickname, there is no evidence that he had a twin. He was ready to return with Jesus to Jerusalem, despite the danger, and prodded Jesus to explain how he and the other disciples could follow him after his death. He also claimed that would not believe in the Resurrection until he had touched the wounds himself. FTP, who was this apostle who bore the epithet "Doubting" as well as "Didymus"?

Saint Thomas

(Literature: Greece, Ancient)

E1. Sophocles' Oedipus trilogy mentions only six characters who were women during their lives. For five points each, name them.

Merope, Jocasta, Antigone, Ismene, Tiresias, Eurydice

(Miscellaneous)

#. Given the country, give its name in its major language for five points each.

A. Germany

Deutschland

B. Japan

Nippon

C. Finland

Suomi

D. India

Bharat

E. Poland

Polska

F. China

Chung Kuo

$$A. \quad P(y) = p(1-p)^{y-1}$$

$$B. \quad f(y) = \frac{1}{\theta_2 - \theta_1}; \quad \theta_1 \leq y \leq \theta_2$$

$$C. \quad f(x^2) = \frac{(x^2)^{[(v/2)-1]} e^{-x^2/2}}{2^{v/2} \Gamma(v/2)}$$



