

# Iowa State Invitational, 1994

## Director's Packet, I

October 14, 1994

### Toss-Ups

1. It is a brilliant green blister beetle found commonly in southern Europe. When squeezed it secretes a substance that is very irritating to the skin and mucous membranes and that has been used as a vesicant to produce blistering. FTP name this beetle, once thought to be an aphrodisiac.

Spanish Fly

2. Every College Bowler should know who Robert E. Lee was; many of you have probably seen the four volume biography entitled *R. E. Lee* and some may have seen the three-volume history of the Confederate General Staff entitled *Lee's Lieutenants*, but FTP can you name the author who wrote both works?

Douglas Southall Freeman

3. Its name comes from the fact that it was first prepared by the distillation of red ants. Its uses include dehairing hides for leather, manufacturing fabric dyes and coagulating rubber latex. For ten points, name this organic acid with a chemical formula of  $\text{HCOOH}$ .

Formic acid

4. This religion, whose name means "Way of the Gods", teaches that Izanagi and Izanami descended from Heaven on a rainbow bridge and created eight islands which they populated by procreation. For ten points, what is this scriptureless religion of Japan?

Shinto

5. From an industrial society to an information society; from forced technology to high tech/high touch; from a national economy to a world economy; from short term to long term; for ten points, what are these four examples of according to John Naisbitt?

megatrends (prompt if "Trends" is answered; DO NOT accept *Megatrends 2000*)

6. Not like the brazen giant of Greek fame  
With conquering limbs astride from land to land;  
Here at our sea-washed sunset gates shall stand

A mighty woman with a torch, whose flame

probably just gave away the answer. For ten points, what is this poem by Emma Lazarus?

The New Colossus (Moderator: prompt if Statue of Liberty or Emma Lazarus is answered early)

7. It established the relationship between design and industrial techniques in its 14 years of existence. Klee, Kandinsky, Moholy-Nagy and Breuer formed the core of this German movement. For ten points, what is this architectural school led by Walter Gröpius?

Bauhaus

8. This famed pianist was reputed for his rendering of Bach's inventions and sinfonias; he also received the posthumous honor of having one of the past year's movies revolve around his life. For ten points, who is this Canadian musician?

Glenn Gould

9. Founded in 1776 by Adam Weishaupt, this organization was an attempt to combat superstition and ignorance by rational enlightenment. It tried to penetrate the Masonic lodges and its members included Goethe and Schiller. For ten points, what is this society?

Illuminati

10. He kills Roderigo to keep him from talking, then his wife Emilia who confronted him with his vileness. The play closes with a promise that he will be tortured to death by the governor-general of Cyprus. For ten points, who is this traitorous lieutenant of Othello?

Iago

11. While working as a governess to support her sister, Marya Sklodovska would secretly visit a laboratory at night where she learned enough to matriculate at the Sorbonne. For ten points, who is this curious woman whose autobiography is entitled *Radioactivity*?

Marie Curie

12. During a battle, a warrior would feel a tap on his shoulder and, turning, would see a maiden with a winged helmet. He would then leap forward and take down as many enemies as he could before he fell, secure in the knowledge that he was one of Odin's heroes. For ten points, what fury am I describing?

beserking

13. Dissatisfied with Aristotle's theory of the necessity of continuous force, Jean Buridan and Nicholas Oresme collaborated to produce their own, more mathematical, theory. For ten points, what name was given to the quantity which a body acquired when launched or thrown and then gradually lost?

impetus

14. All Abelian groups are; addition and multiplication in the integers are; multiplication in the quaternions isn't; subtraction never is. For ten points, what is this property of operators exemplified by 3 plus 5 equalling 5 plus 3?

commutation or commutativity

15. Originally titled "Defense of Fort M'Henry" and singable to the tune of *Anacreon in Heaven*, this piece slowly began the climb on September 13, 1814, from drinking song to national anthem. For ten points, what is the modern name of this glaring piece by Francis Scott Key?

Star Spangled Banner

16. Temperance, Silence, Order, Resolution, Frugality, Industry, Sincerity, Justice, Moderation, Cleanliness, Chastity and Humility were the full 13, though humility was only added after friends told this American patriot that they thought him proud. For ten points, who was he?

Benjamin Franklin

17. "Yes, I think that would be fair." responded this man when offered \$40,000 for his stock-ticker in 1869. The money went to establish the first research workshop in America, located at Menlo Park. For ten points, who is this American inventor, best known for one bright idea?

Thomas Alva Edison

18. Breakfast, system, philosophy, divide and drift; all of these words can be prefixed by another to form common phrases. For ten points, what the common antecedent?

continental

19. He supplied Ken Kesey with LSD for the Acid Tests. He was an electronics nut who bought the Grateful Dead their Wall of Sound system. For ten points, who was this man whom *Newsweek* called the Henry Ford of LSD?

Augustus Owsley Stanley III

20. It took its name from a small village near the Forest of Fontainebleau where its member painters settled in the 1840's to create simple, bucolic canvases. For ten points, what is the art school whose members include D'Aubigny, Diaz, Troyon and Theodore Rousseau?

Barbizon School

21. His book is *Required Reading* and it should be, all three parts: "Of Candidates and Campaigns"; "Of Substance-Sense and Nonsense" and "Of Media, Messages and Miscellaneous". FTP name the author, a former Senator from Minnesota and unsuccessful presidential candidate.

Eugene McCarthy

22. This name of this city of 1.5 million on the Yangtze in east-central China means "South Capital" which is appropriate since it is the capital of Kiangsu province, was the first capital of the Ming dynasty, was the capital of the Taipings from 1853-1864 and was the capital of the Republic of China from 1928-1937. For ten points name this city which no longer is home to the government of China.

Nanking

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### Bonuses

1. (30 points) I'll describe three men who have been awarded the Nobel Peace Prize. You identify each for ten points apiece.

- (a) (10 points) He won in 1952 for his humanitarian work in Africa.

Albert Schweitzer

- (b) (10 points) He won in 1951 for his work helping to organize national and international labor unions.

Léon Jouhaux

- (c) (10 points) He won in 1961 for his efforts to bring peace to the Congo. The award was made posthumously.

Dag Hammarhjöld

2. (30 points)

One began  
in the dark of night, a Dragon, to rage. In the grave on the hill a hoard it  
guarded  
in the stone-barrow steep.  
A strait path reached it unknown to mortals. Some man, however,  
came by chance that cave within  
to the hearthen hoard. In hand he took  
a golden goblet, nor gave he it back,  
stole with it away.

- (a) (15 points) First, for fifteen points, from which English poem did the above lines come?

Beowulf

- (b) (10 points) Second, which English writer appropriated the above scene and the ensuing municipal destruction for a children's book?

John Ronald Reuel Tolkien

- (c) (5 points) Third, what was the name of Tolkien's thief?

Bilbo Baggins [Moderator: Accept either part of the name]

3. (30 points) Name the writer from his works; 30-20-10.

- (a) (30) *The Trumpet of Conscience; Strength to Love*
- (b) (20) *Where Do We Go From Here: Chaos or Community?*
- (c) (10) *Stride Toward Freedom; Why We Can't Wait*

Martin Luther King, jr.

4. (30 points) Identify the following biopsychological terms beginning with L for ten points apiece.

- (a) (10 points) First, the arched-back, rump-up, tail-diverted posture of female rodent sexual receptivity.

lordosis

- (b) (10 points) Second, the instrument with which lobotomies are performed.

leucotome

- (c) (10 points) Third, the tendency for traits that are encoded on the same chromosome to be inherited together.

linkage

5. (30 points) Identify the modern thinker from his quotes.

- (a) (30) "The events of the world depend primarily upon cosmic parameters."
- (b) (20) "Humans must feel free to alter the set-up of the solar system."
- (c) (10) "Venus must be given an earth-like orbit to become a born-again earth." and "It may become necessary to blow-up the moon."

Alexander Abian

6. (25 points) I'll name five recent telescopes built by the United States; you tell me which part of the electromagnetic spectrum they observe for five points apiece.

- (a) (5 points) IRAS

infra-red

- (b) (5 points) OAO

ultraviolet

- (c) (5 points) HEAO

x-rays

(d) (5 points) GRO

gamma rays

(e) (5 points) AXAF

x-rays

7. (30 points) Identify the work from the quotes; 30-20-10.

(a) (30) "Those whom the Lord hath united, let no man put them asunder."

(b) (20) "If you wish a thing to be well done, you must do it yourself."

(c) (10) "Why don't you speak for yourself, John?"

*The Courtship of Miles Standish*

8. (30 points) Name the man from his successes, 30-20-10.

(a) (30) He demonstrated the existence of chiral molecules and elevated the level of research funding in 19th century France.

(b) (20) He developed a vaccine for rabies, fowl cholera and splenetic fever.

(c) (10) He developed a cure for anthrax.

Louis Pasteur

9. (30 points) The third crusade was known as the King's Crusade because three strong rulers attempted to lead the expedition together. Can you answer the following questions?

(a) (15 points) First, for five points apiece, can you name the three rulers?

Richard I of England or Richard the Lion-Hearted; Philip Augustus or Philip II of France; Frederick Barbarossa

(b) (5 points) Second, for five points, who got fed up and left before reaching the Holy Land? [Moderator: DO NOT give answer.]

Philip Augustus

(c) (5 points) Third, for five points, which of the three died along the way?

Frederick Barbarossa

(d) (5 points) Fourth, which country kidnapped Richard on his way home?

### Austria

10. (25 points) Sports fans and Bible jockeys will be disappointed, but this question is about another four famous horseman, the blue riders of modern art.
- (a) (10 points) First, which two artists formed the Neue Künstlervereinigung, the association which gave birth to the movement?  
Vassilis Kandinsky and Jawlensky
  - (b) (5 points) Second, from which painting did they take their name?  
Le Cavalier Bleu
  - (c) (5 points) Third, who painted Le Cavalier Bleu?  
Vassilis Kandinsky
  - (d) (5 points) Fourth, within five years, when were the Blue Riders founded?  
1911 (accept 1906 - 1916)
11. (30 points) Identify the thinker from his works; 30-20-10.
- (a) (30) *History of Animals, Parts of Animals*
  - (b) (20) *On the Heavens, Organon*
  - (c) (10) *Nicomachean Ethics* and *Poetics*

### Aristotle

12. (30 points) I'll give three cryptics clues to a physiscal joining of two other answers. For instance, if I said "A young peasant girl saves Orleans after joining swords using high voltage sparks," you would say "Joan of Arc Welding." So,
- (a) (10 points) The Church Lady's words trace a time-line in flat Minkowski space.  
Well, isn't that special relativty
  - (b) (10 points) Howard Roark joins an NBC show about smart kids to demonstrate his building acumen.  
The Fountainhead of the Class
  - (c) (10 points) Misha, Groucho, Alech, Harpo and Chico team up for a nasty Russo-American experience.



The Marx Brothers Karamazov

13. (30 points) Identify the thinker from the thoughts; 30-20-10.

- (a) (30) "Necessary work should receive the highest pay, useful work the next, and pleasant work the least."
- (b) (20) Positions like stockbroker, soldier, economist, middleman and philosopher are useless and should be eliminated.
- (c) (10) Human beings are naturally good and the proper way to organize them is as communal phalanxes.

Francois Marie Charles Fourier

14. (30 points) I'll give you three quotes; identify the speaker for ten points apiece.

- (a) (10 points) "The first man gets the oyster, the second man gets the shell."  
Andrew Carnegie
- (b) (10 points) "The world cares very little about what a man or woman knows; it is what the man or woman can do that counts."  
Booker T. Washington
- (c) (10 points) "Be not simply good; be good for something."  
Henry David Thoreau

15. (25 points) With the topic of "equivalence relations," some of you might think that the question is about politically correct legislation. The more mathematical of you know that it's actually about math.

- (a) (15 points) For five points, name the three properties that a relation must possess in order to be an equivalence relation.  
reflexive, symmetric and transitive
- (b) (5 points) Now, if "equals" is an equivalence relation, which one of the above properties assures you that  $A$  equals  $A$ ?  
reflexive
- (c) (5 points) And for a final five points, which of the above assures you that if  $A$  equals  $B$  then  $B$  equals  $A$ ?  
symmetric

16. (30 points) The acronym QED has different meanings to physicists and mathematicians. For five points per word, maximum of thirty, tell me what two sets of words abbreviated QED.

quod erat demonstratum and quantum electrodynamics (Moderator: ten points for electrodynamics)

17. (30 points) John of Salisbury wrote, in *The Body Social*, that the properly functioning commonwealth is like a body. For five points apiece, maximum of 25, tell me which part of the body corresponds to the following parts of a commonwealth.

- (a) (5 points) First, the prince  
head or brain
- (b) (5 points) Second, the senate  
heart
- (c) (5 points) Third, the judges and governors  
eyes, ears or tongue or any combination of the three
- (d) (5 points) Fourth, the officials and soldiers  
hands (prompt if arms is answered)
- (e) (5 points) Fifth, the financial officers and keepers  
stomach or intestines
- (f) (5 points) Sixth, the husbandmen  
feet

18. (30 points) If I started "Origin of" the word "Species" would jump into your mind. But, for ten points, can you complete the titles of these other Darwinian works?

- (a) (10 points) Descent of *blank*  
Man
- (b) (10 points) The Movements and Habits of Climbing *blank*  
Plants
- (c) (10 points) Selection in relation to *blank*  
Sex

19. (30 points) All college bowlers know that Everest is taller than K2 and that things drop off a bit after that, but, for five points each, which six mountain ranges contain all of the fifty highest peaks above sea level?

Himalayas, Karakoram, Kunlun, Muztagh Ata, Pamir, Andes

20. (30 points) Controversy arose in 1910 about the conservation policy pursued by the Secretary of the Interior who had reopened lands that had been withdrawn by the previous administration. The chief of the U.S. Forest Service publicly accused the Secretary of injuring conservation programs to aid corporate interests. For 15 points each name,

(a) (15 points) First, the Secretary of the Interior.

Richard A. Ballinger

(b) (15 points) Now name the chief of the Forest Service who was forced to resign over this flap.

Gifford Pinchot

21. (30 points) The President's Commission on the assassination of President Kennedy submitted its final report on September 24, 1964. It consisted of Chairman Justice Earl Warren and six other members. You'll earn five points for every member of the commission you can name besides the chairman.

Senator Richard B. Russell, Senator John Sherman Cooper, Rep. Hale Boggs, Rep. Gerald R. Ford, Allen W. Dulles, John J. McCloy.