Tl. 'At this very moment, blood is circulating through the body of each person in this room--unless of course you're dead. Stop the following narrative at the point where your blood takes a wrong turn: the left ventricle to the aorta; the aorta to the arteries, the arteries to the arterioles, the arterioles to capillaries, the capillaries to the venules, the venules to the veins, the veins to the vena caves, the vena cavas to the right atrium, the right atrium to the right ventricle, the right ventricle to the left atrium, the body again.
A. It goes from the the right ventricle to the pulmonary artery to the lungs before entering the left atrium

Ti. His first published work was entitled Hike and the Airplane under the pseudonym of Tom Graham. His late works include the rather obscure novels Bethel Merriday and The Trail of the Hawk. In between, however, this Salic from Sauk Center wrote a half-dozen blockbusters including Dodsworth, Arrowsmith, Elmer Gantry, Babbit, and lain Street. For ten points, name infin.
A. Sinclair Lewis
43. The Upper Volta has changed its name to Burkina Faso; Burma may or may not have changed its name to Myanmar; Southern Rhodesia is now Zimbabwe; and Dahomey became Benin. For ten points, which of these new names means "Land of the Upright lien?"
A. Burkina Faso

3 Th. Every schoolboy knows that Rome and Constantinople were the capitals of the western and eastern Roman Empires, but what every schoolboy doesn't know is that in 404 A. . the capital of the western empire was moved to one of the many important cities of Emilia-Romagna (a-meel-ee-uh row-mahn-ya). After the Gothic wars, it became the seat of Byzantine government and remains famous for its mosaics. For ten points, name this Adriatic city, today a European center of nitrate and rubber production.
A. Ravenna

T5. FTP, at what venerable spot might you want to avoid the Beardies, fly over Hell, and firmly stroke your way through the Valley of Sin?

The Royal and Ancient St. Andrews Old (golf) course

T6. The first chemical element to be named for this-eountry was Columbium. However, a combination of American footdragging and international scientific politics squandered the opportunity, and it was given a name from Greek mythology instead. FTP, what name was finally given to element 4l?

## Niobium

T7. Perhaps because of the difficulties of writing or the lack of printing, the ancient world left us few literary works, though the ones it did leave, like the Bible, are of stuning quality. FTP, what is the oldest extant human literary production, an epic about the adventures of the warlike King of Erech and his friend Enkidu?

Gilgamesh

T8. The Second Norld War officially began on September lst and 2nd, l939. Four months later, however, in January of l940, there was active fighting in only one European country. FTP, identify this scene of a conflict which did not even involve llazi Germany.

Finland

T9. Although in 1790 it was equal to one ten-millionth ( $1 / 10,000,000$ ) of the distance from the north pole to the equator, that distance was hard to measure, so it became the distance between two scratches on a platinum-iridium bar kept in an air-conditioned vault in Paris. Finally, though, it was made to equal one million, six hudred fifty thousand, seven hundred sixty three, point seven threa ( $1,650,763.73$ ) wave lengths of one of the spectral lines of the gas krypton. FTP, what is this
international measure?
One Meter

T10. It's not only 2 Live Crew whose songs are being banned from the airwaves. A storm of controversy has begun in the great plains because of a Nebraska radio station's decision to banish this artist's works from its airwaves. FTP name this artist banned because of her "Meat Stinks" campaign.

ANS. k.d. lang

T11. As if Brian Mulroney didn't already have enough problems, the goveramental soap opera of our neighbors to the north continues as two Provinces failed to support a constitutional provision that recognizes Quebec's unique ethic situation. FTP, by what name was this defeated agreement known?

Meech Lake Accord


Tl2. On July 10,1584 , freedom fighter William the Silent was assassinated under orders from Philip II; William was replaced by his son, Maurice of Nassau, an even better military leader. FTp, what European republic did they establish?

The Dutch Republic (accept Netherlands)

T13. Almost everything in the material universe-ice cream, liquid oxygen, the human body, mercury--can be frozen. FTP, what is the only known substance which cannot be frozen, even at absolute zero?

Helium

Thu. There are only nina planets recognized as making up the solar system, but if there were ten, FTP, what largest asteroid, the first to be discovered, would be the logical choice?

## Ceres

115. The third-largest stock market in the world after New York and Tokyo, is known by the acronym JASDAQ (naz-dak). FTP, what do the letters in NASDAQ stand for?

National Association of Securities Dealers Automated Quotations
S Pro. Tie losers in this ecclesiastical election were sidney Rigdon, Lyman Wight, James Jesse Strange, and the founder's brother, William. FTP, who was the winner who led ins people to the promised land?

Brigham Young

T17. Fittingly enough, he called his autobiography, which he published at the age of 32 , Love and Revolution. As editor of both The Liberator and The Masses, he was perhaps America's leading Communist thinker and influenced John Reed and Emma Goldman, among others. Like most intellectuals, however, Stalin's excesses led to his disillusionment with Communism, as recorded in such works as Reflections on the Failure of Socialism. FTP, identify this radical bon vivant who died in 1969.

Max Eastman

T13. Fifty years ago, Wendell Willie was running against FDR; Latvia, Lithuania, and Estonia became the fifteenth, sixteenth, and seventeenth Soviet Republics; and a broad with a big voice and an even bigger mouth stormed Broadway as Cole Porter's Panama Hattie. FTP, name this doyenne of the American musical comedy.

Ethel Herman

T19. While watching this game, played on a dirt or limestone court 12 by 60 feet in size, you might hear the players cry "punta rosso" or "punta verdi." FTP, what Italian game, currently undergoing a boom in this country, are you watching?

Bocce (pron. botch-ee or butch-uh)
 (knee-hawn). After coming to power in 1867, he abolished the shogunate, ended feudalism, accelerated westernization, and founded the royal family that still reigns. FT? name this Japanese emperor.

Mutsuhito (or Ileiji)

T21. This comic strip was originally named Bull Tales, features characters named Honey Huan, Elmont, and Big Jim Andrews among others, and has an author who often argues with editors over the size in which his strip is printed. FTP, name this strip drawn by newswoman Jane Pauley's husband.

Doonesbury

T22. Ishtar was a Hollywood bomb, Aphrodite was a Greek bombshell. FTP, however, where in the solar system will you find plateaus named Ishtar Terra and Aphrodite Terra?

## Venus

$2 \%$. It does not appear in the first folio as one of Shakespeare's plays, and it was not included in anthologies edited by such aminent critics as George Lyman Kittredge, G.B. Harrison, and Hardin Craiz. It has, however, been included in several recent anthologies because of internal evidence that the play is at least $50 \%$ Shakespeare's. FTP, name this $38 t h$ play, apparantly co-written with John Fletcher.

Two Noble Kinsmen
24. Tinis mid-aineteenth century rebellion is generally considered to have been the bloodiest Civil War in history, killing as many people as died in World War I. FTp, name this Chinese bloodletting.

Tai-Ping Rebellion
25. If you were listening to Itzak Perlman, you'd be hearing a violin; if you were listening to John Browning, it would be a piano. FTP, what instrument would you be listening to if James Galway were playing?

The flute

B1. There are endless possibilities in the world of popular culture, and many names are associated with products that almost everyone has seen but not everyone remembers. For ten points apiece, identify the objects of popular culture associated with the following names:
a. Gottlieb, Bally, and Williams (pinball machines)
b. Winnau, Raven, and Unicorn (dart equipment)
c. Millard, York, and Weider (weightlifting equipment--or equiv.)

B2. Although the media's obsession with first ladies may have begun with Abigail Adams or Volley Madison, not all first ladies remain as well known as Jackie or Nancy. For five joints apiece, provide the names of the men who married the following women:
a. Martha Vayles Skelton (Thomas Jefferson)
b. Edith Kermit Carom (Teddy Roosevelt)
c. Elizabeth Bloomer Darren (Gerald Ford)
d. Mary Scott Lord Dimmick (Benjamin Harrison)
e. Abigail Powers (Millard Fillmore)
f. Lou Henry (Herbert Hoover)

B3. Given the distance, identify the following units of measure as parses, light-years, Astronomical Units, or the Earth's velocity: 5 Pt S EACH
a. 18.5 mi. per second (Earth's velocity)
b. $92,897,400$ miles (Astronomical Unit)


B4. The two greatest American poets of the nineteenth century are, assuredly, Walt Whitman and Emily Dickinson. As different as they seem--one the creator of great sprawling excess, the other the cryptic performer of little sums of spiritual arithmetic--both can be claimed to be early modern poets, having made use of slant rhyme, free verse, and experimental punctuation. For five points apiece, identify each lyric as Whitman's or Dickinson's, and, for five more, identify the poem by title, or, in Dickinson's case, by first line.
a. "Not one of all the Purple Host/ho took the flag today/Can tell the definition/So clear of Victory" (Dickinson--"Success is counted sweetest")
b. "Shine, shine, shine, pour down your warmth great sun!/While we bask, we two together" (Whitman--"Out of the Cradle Endlessly Rocking")
c. "Till rising and gliding out/I wandered off by myself/In the mystical moist night air and from time to time/Looked up in perfect silence at the stars" (Whitman--"When I Heard the Learned Astronomer")

B5. We've all heard the question where, for five points each, you have to name the four operas of Wagner's Ring Cycle. That's too easy. In this question, for five points each, identify the four operas from a precis of the plots.
a. ilagen, Gutrune, and Gunther conspire through lies and potions to steal the ring from Brunhilde and Siegfried. (Gotterdammerung)
b. Siegmund steals Hunding's wife, Sieglinde, not knowing she is his long lost sister. This leads to a major argument between Wotan and Brunhilde. (Die Walküre)
c. lotan and Loge steal the ring from Alberich and then use it to pay off a debt to Fafner. (Das Rheingold)
d. The hero forges a sword, slays his guardian and a dragon, confronts Wotan, and rescues Brunhilde. (Siegfried)

B6. Thanks to Stephen Hawking, even the man in the street may know that there are four particle reactions or physical iorces that account for all events taking place in the universe. Now for five points,
a. Identify the four forces (gravity, electronagnetic, strong, and weak)
b. For another five, which of these four is the weakest? (gravity)
c. For five more name the combination of two forces that won Steven Weinberg, Sheldon Glashow, and Abdus Salam the 1979 Nobel Prize in Physics (electroweak)
d. For five more, which force affects only hadrons? (strong)
e. And for a final five, which is most connected with leptons?
(..nの1)

B7. The savings and loan scandal has provided headine writers with some colorful names to work with. For five points apiece,
a. What was the Texas S\&L bought by Phoenix insuranceman James M. Fail? (Bluebonnet)
b. What was Ed McBirney's Dallas-based S\&L? (Sunbelt Savings Association)
c. What was the Denver thrift that recruited Neil Bush for its board? (Silverado)
d. What was the ironically-named S\&L headed by Charles Keating? (Lincoln)

B3. We are probably all aware that Germans call their country Deutschland and that Austrians call theirs Osterreich. For five points apiece, how do we know the countries called by their own residents,
a. Suomen Tasavalta (Finland)
b. Zhongua Renmin Gonghe Guo (China)
c. Shqiperi (Albania)
d. Han Kook (South Korea)
e. Elleniki Demokratia (Greece)

B9. Although there are several writers in history who have triumphed in multiple genres--Oliver Goldsmith comes to mind--most writers are thought of as poets or novelists, or dramatists. Of course, that doesn't mean they haven't tried something else.... For five points apiece, name the
a. Novelist who wrote the drama Exiles (James Joyce)
b. Novelist whose first book was a collection of poems entitled The Marble Faun (William Faulkner)
c. Novelist whose play The Vegetable was a dismal failure (F. Scott Fitzgerald)
d. Poet whose first book was a novel entitled Franklin Evans; or, The Inebriate (Walt Whitman)
e. Poet whose best known wor' is her autobiographical novel, The Bell Jar. (Sylvia Plath)

Blo. Henri Dunant of France and Frederick Passy shared the first Nobel Peace Prize; the Dalai Lama won the most recent. For five points apiece, name these winners in between:
a. The first American (Theodore Roosevelt)
b. The first woman (Bertha von Suttner--Austria)
c. The first American woman (Jane Addams)
d. The first black (Ralph Bunche)
e. The first Soviet citizen (Andrei Sakharov)
f. The only three-tine winner (International Red Cross)

Bll. Flight has been a specialized activlty shared by most birds, some reptiles, and one mammal. FTP apiece, identify these identified flying objects:
a. The bird with the greatest wingspread of any extant flier (the albatross)
b. The heaviest extant flying bird (the Kori bustard)
c. The greatest wingspan and heaviest weight of any flying creature ever (pterandon; accept pterosaur; do not accept pterodactyl)

B12. 1843 and 1939 will forever be known as years of revolution, but the $1790^{\prime}$ s were quite a revolutionary decade. On the heels of the recently concluded American War for Independence and the French Revolution, two revolts occurred in 1794 . FTP apiece, identify the revolutionary leader of revolts in
a. Poland (Tadeusz Kosciusko)
b. Haiti (Toussaint L-Ouverture)
313. The Japanese are buying up our hotels; the Europeans and OPEC nations are buying up our jas stations. So you"ll be prepared for the future, identify, the country of origin of the following oil corpanies: Spts each
a. NIOC (Iran)
b. PDVSA (Venezuela)
c. Q3 (Kuwait)
d. Aramco (Saudi Arabia)
e. Penex (IIexico)

B14. As the Hawaiian islands are known for, among other things, their volcanic origin and activity, it is not surprising that two Hawaiian words are used by geologists to describe two kinds of basaltic lava, with either a smooth or rough srurface. FTP each, name these two lava types:
a. AA (pron. ah-ah)

b. Pahoehoe (pron. pa-ho-ho)

B15. All right, gamblers. $I$ 'm going to give you a list of seven developments in the history of man, and your job is to put them in the correct order. The first few are separated by thousands of years while the last few may be separated by only a few decades. You will receive 5 points for putting the first two in correct order--earliest first--ten for three, fifteen for four, twenty for five, twenty-five for six and thirty for all seven. You may stop your list anywhere--because one item out of order and you forfeit all your points.

Your list: the alphabet, steam power, animals domesticated, glass blowing, stone tools developed, coins minted, irrigation used

A: stone tools $2,000,000$ B.C.
animals domesticated 12,000 B.C. irrigation used 5,000 B.C. alphabet 1500 BC. coins used 640 B.C. glass blowing 100 BC . steam power 50 AdD.

Bl. There are several sources of words in the English language. Some developed as the language did from Germanic; some are made up, some are borrowed. For five points apiece, identify the following English words as the result of borrowings, root creations, blends, metanalysis, or echoic.
apron (metanalysis--from a natron)
b. guesstimate (blend)
c. whisper (echoic)
d. googol (root creation)
e. juggernaut (borrowing--from Hindu)

B17. Identify tin is intellectual giant of the modern world on the first clue for 30 , on the second for 20 , on the third for 10 , and on the fourth for 5 .

For 30 pts: Early in his career he received a grant to do research on the gonads of eels.

For 20 pts: He died at 3:00 A.H. on September 23, 1939
For 10 pts: Bertha Pappenhein played a significant role in ins developing theory
For 5 pts: His birth names were Sigismund Shlomo
,....... F-n...d ( (Martha is Anna 0))
318. Mark Twain, Nathaniel Hawthorne, and Ernest Hemingway have been so worked over in academic buzzer competitions that hardly any aspect of their work remains a challenge. So the new order dawneth. It's not enough to know the author; you have to have read the work. For ten points apiece, answer the following questions about postwar fiction:
a. In Thomas Pynchon's The Crying of Lot 49 , just what is Lot 49? (postage stamps at auction)
b. In Piilip Roth's The Great American Novel, what is the name of the sportswriter who is the narrator? (Word Smith)
c. In Ralph Ellison's Invisible ilan, what is the name of the protagonist? (he has none)

Bl9. While it has fallen on hard times lately, the American steel industry has, for over 100 years, stood for America's industrial greatness. For 5 points apiece, identify these major figures from the U.S. steel industry:
a. Tine Scottish immigrant, widely considered the father of the American steel industry, who sold his business, which he started from scratch, for $\$ 400$ million in 1901 , to J.P. Horgan, thereby founding U.S. Steel, the nation's largest steelmaker. (Andrew Carnegie)
b. The man chosen by J.P. Morgan to run U.S. Steel in 1901, his name is still closely associated, geographically, with the steel industry. (Elbert H. Gary)
c. Tine man who brokered the sale of Carnegie steel to J.P. Morgan and who later founded Betheleham Steel, the nation's second-largest steelmaker. (Ciarles Schwab)
d. The J \& L of J \& L Steel, now part of LTV Corporation, the nation's third-largest stealmaker. (Jones \& Laughlin)
e. Either of the founding families of Inland Steel, the nation's fourth-largest stealmaker. (Block or Ryerson)
320. The history of baseball has been filled with alternate major leagues, especially before 1890. Since 1890, however, there have been three significant challenges to the authority of the "major" leagues. for ten points apiece,
a. What league was formed in 1890 , its first and last year, as an outgrowth of the Brotherhood of Professional Baseball Players? (The Players League)
b. What third major league endured for two years, 1914 and 15 , and, along the way, caused the demise of the Players Fraternity? (Tine Eederal League)
c. What league lured away a number of major leaguers in 1946 with promises of large contracts but served only to ruin several

B21. For five points each, name the six U.S. states with the lowest highest points--in elevation over sea level (do not include the District of Columbia).
(Delaware (442 ft), Flexida (345 ft), Illinois (1235 feet), Louisiana (535 ft), Mississippi (806 ft), Rhode Island (812 feet)

B22. The Marseillaise, The Star-Spangled Banner, Deutschland uber Alles. Not all national anthems are so well-known. For five points apiece, identify the nations with these anthems.
a. Kong Xristian Stod Ved Hojen Mast (Denmark)
b. Marcha Real (Spain)
c. Istiklal Marsi (Turkey)
d. Kimi Ga Yo Wa (Japan)
e. Hatikvah (Israel)

B23. Breathes there a man with soul so dead that he doesn't recojnize Salvador Dali as the high priest of surrealism and fantasy? FTP apiece, try these other, not necessary lesser, priests:
a. Considered the founder of the movement, his manifesto of surrealism bears the title, Manifeste du surrealisme. (René Breton)
b. Tine Belgian-bora master of fantasy, his canvases often feature green apples and men in bowlers. (Rene Magritte)
c. The Italian painter, who was Hagritte's master, who moved from contextual incongruities to a symbolic mode he called metaphysical painting. (Giorgio de Chirico)
24. For five points apiece, on which of the Great Lakes would you be sailinz if you saw
a. Inner and Outer Duck Islands, Fitzwilliam Island, and Iackinac Island (Huron)
b. The ports of Oshawa, St. Catherine's, and Kingston (Ontario)
c. Hog, Beaver, North and South Fox, and North and South Manitou Islands (Michigan)
d. Pelee Island and Put-in-Bay (Erie)
e. Thunder Bay and Duluth (Superior)

B25. Call them trash if you will, but the music is the only significant difference between soap opera and grand opera. Take an afternoon stroll with me and tell me what soap werre watching if we visit
a. Oakdale (As the World Turns)
b. Pine Valley (All My Children)
c. Barrowsilile (Love of Life)
d. Bay City (Another World)
e. Genoa City (The Young and the Restless)

