1. Steven T. Trotter, a stunt man from Rhode Island, squeezed himself into a vessel consisting of two "Greek pickle barrels," some fiberglass, and eight large inner tubes and made a trip that only six other people successfully completed. For 10 points--what did Steve Trotter do August 18, 1985 ?
he survived a plunge over niagara falls
(Please be liberal in accepting)
2. They can be classified E0 ("E-Zero"), E3, E7, Sa, Sb, SBa, SBb, SBc, or Irregular according to a scheme developed by E.P. Hubble. The can be spiral, barred sprial, elliptical, or irregular. For 10 points--what are they?

GALAXIES
(DO NOT ACCEPT: Nebulae, Star Clusters)
3. The most widely used form of mass transportation is also the safest. Even though they travel over one and one-half billion miles each year in the United States alone, they are involved in fewer than one thousand accidents annually--usually when they are stopped. For 10 points--what are they?

## ELEVATORS

4. Bob and Sandy are playing a friendly game of chess, Bob playing white and Sandy playing black. Unfortunately, both of them have trouble deciding upon a first move for the game. For 10 points--how many different positions are possible after Sandy's first move?

400
(HOST: Each player can choose from 16 possible pawn moves and four possible knight moves)
5. It was started in the late 1920 's as a rebuttal to Main Street. It describes the political, social, and cultural changes in Waynesboro, Ohio, between 1868 and 1932. For 10 points--name this twelve-hundred-page-long book by Helen Hooven Santmyer published in 1984.
"... AND LADIES OF THE CLUB"

6．Early in the twentieth century，it was located around 28th Street and Sixth Avenue in New York City．In the 1920 ＇s it moved to Broadway and 32nd Street and later to Broadway between 42 nd Street and 50th Street．For 10 points－－what was the nickname given to the music－publishing industry that was located there？
＂TIN PAN ALLEY＂

7．Winterset by Maxwell Anderson，The Never－Ending Wrong by Katherine Anne Porter， The Big Money by John dos Passos，Jake Home by Ruth McKenzie，and Boston by Upton Sinclair are five of the many works of literature that discuss an event that occurred 64 years ago and is still open to debate．For 10 points－－what？

THE SACCD AND VANZETTI CASE（or TRIAL）

8．A conscientious objector at the onset of World War I，he later joined the army and was credited with single－handedly killing 25 German soldiers and capturing 132 others．For 10 points－－name this American soldier．

SGT．ALVIN YORK

9．In Hebrew，his name means＂inglorious．＂Born at the time the Philistines captured the Ark，he was given the name to commemorate the event．For 10 points－－name this son of Phinehas 〈FIN－ee－us〉 and grandson of Eli．

## ICHABOD

10．In 1959 the Isley Brothers claimed that their fans make them want to do this， and in 1985 Tears for Fears urged their fans to do it．For 10 points－－what？
＂SHOUT＂
（DO NOT ACCEPT：＂Twist and Shout＂or anything else besides＂Shout＂）

11．To find out if a developing fetus has a genetic defect，the doctor inserts a needle into the womb and withdraws a faw cells from the amiotic fluid．For 10 points－－what is the name of this procedure？

AMNIOCENTESIS
〈am－nee－oh＇－sen－TEE－sis〉

12．He appears in five novels by John Phillips Marquand，and in seven motion pictures starring Peter Lorre 〈LOH－ree〉．For 10 points－－name this fictional Japanese detective．

MR．MOTD

13．For a fast 10 points－－according to the United States government，how old must an object be in order to be considered an antique？

OUER ONE HUNDRED YEARS OLD

14．Tokyo．．Washington．．．Rome．．．or Beirut？ For 10 points－－which city lies farthest south？

## BEIRUT

15．For another fast 10 points－－what number on an American roulatte wheel is not on the European version？

DOUBLE ZERO
（ACCEPT：Zero－Zero）

16．He coached Nadia Comeneci 〈koh－mah－NEESH〉 to the gold medal in 1972 and Mary Lou Retton to the gold medal in 1984．For 10 points－－name this Bulgarian gymnastics instructor．

BELA KAROLYI
〈Bay－luh kah－ROH－lee〉

17．Charles Evans Hughes．．．Oliver Wendell Holmes．．．William Howard Taft．．．or Harlan F．Stone？For 10 points－－who was not a Supreme Court Chief Justice？

OLIVER HENDELL HOLMES

18．Radioactivity often involves the emission of positively charged particles similar to helium nuclei．For 10 points－－what kind of radiation involves the release of particles coaprising two protons and two neutrons each？

ALPHA RADIATION（Or EMISSION）
19. It is surrounded by the Soviet Union, Rumania, Yugoslavia, Czechoslovakia, and Austria. Its unit of currency is the forint. For 10 points--what European country is it?

## HUNGARY

20. The curtain never closes, and there is no scenery. Each of the acts has its own title, Act I being "The Daily Life," Act II "Love and Marriage," and the third act "Death." For 10 points--name this play set in Grover's Corners, New Hampshire.

## "OUR TOWN"

21. "Getcha Back" is the appropriate title of the first record by a popular rock group two years after the accidental death of their drummer. For 10 points--name the band.

THE BEACH BOYS
22. Gneiss 〈NISE〉 is a coarse-grained metamorphic rock characterized by alternating light and dark bands of different materials. For 10 points--spell "gneiss."

$$
\underline{G}-\underline{N}-\underline{E}-\underline{I}-\underline{S}-\underline{S}
$$

23. A man, his brother, and his son-in-law--all with connections to the United States Navy--are accused of being a part of an espionage ring selling defense secrets to the Soviet Union. For 10 points--what is their last name?

WALKER
(HOST: The first names are Arthur, John, and Michael. John was convicted in August, Michael in October)
24. Since his television debut in 1950, Milton Supman has received 19 thousand pies in the face on TV, many on his children's series featuring White Fang. For 10 points--by what name is Milton Supman best known?

SDUPY SALES
25. Osmium was considered the densest ofthe 92 naturally-occurring elements; however, research at Yale University indicates that another element--number 77 on the periodic table--is within experimental uncertainty of the density of osmium, about 22.6 grams per milliliter. For 10 points--name the eleaent whose symbal is Ir.

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Questions revised Novamber 30, i985
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Round \#10--Bonus

## 1. 20 POINT BONUS

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If someone mentions the word "composer," the image that usually comes to mind
is "European." But the United States has produced its share of classical
composers. I will name four American composers and four musical compositions.
For 5 points each--match the work to the person who composed it. The composers
are Aaron Copland <CoPE-land>, Charles Ives, Roy Harris, and Edward MacDowell.
The works: "Appalachian Spring," "Concord Sonata," "Cumberland Concerto," and
"Indian Suite."
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    AARDN COPLAND--"APPALACHIAN SPRING"
    CHARLES IVES--"CONCORD SONATA"
    ROY HARRIS--"CUMBERLAND CONCERTI"
    EDWARD MacDOWELL--"INDIAN SUITE"
    (ACCEPT: "As read")
2. 20 POINT BONUS

They have been on the earth for over 100 million years. The queen can live as long as 20 years. Of course I am talking about ants. Answer these questions about them for 10 points each.

1. Like most other insects, the ant's exoskeleton is composed of what substance?
[CHITON] 〈KY-tin〉
2. When red ants and fire ants use their stingers, they pump a chemical into their victims. What is this substance that causes a burning sensation?
[FORMIC ACID or $\mathrm{HCO}_{2} \mathrm{H}$ ]

## 3. 30 PDINT BONUS

The white supremist group formed with the expressed purpose of ridding the United States of Jewish influence, having planned the murder of a Denver radio talk-show host and planning to kill David Rockefelller, Henry Kissinger, and the heads of all three television networks. For 15 points each--name the group and the talk-show host it took credit for killing.

THE ORDER (group) DAVE BERG (talk-show host)

## 4. 30 POINT BONUS

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A strait is a narrow passage of water connecting two larger bodies of water.
For i0 points each--the following straits connect what bodies of water?
1. Bering Strait [BERING SEA AND CHUKCHI SEA] <CHOOK-chee>
2. Strait of Hormuz <hor-MOOZ> [PERSIAN GULF AND GULF OF OMAN] <oh-MAHN>
3. Denmark Strait [NORTH ATLANTIC OCEAN AND GREENLAND SEA]
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## 5. 20 POINT BONUS

Often dubbed "The Poet of the Sixties," Robert Zimmerman is a giant in the history of rock music, both as a performer and as a composer. For 5 points each--what Bob Dylan songs feature the following lines?

1. "But I was 50 much older then, I'm younger than that now."
[MY BACK PAGES]
2. "How does it feel?" [LIKE A ROLLING STONE]
3. "Dome gather 'round people, wherever you roam."
[THE TIMES THEY ARE A-CHANGIN']
4. "Everybody must get stoned!"
[RAINY DAY WOMEN \#12 AND \#S5]
5. 35 POINT EONUS

As you may notice, some bonus questions are difficult and others are quite easy. As for this go-around, you can say that this bonus is as easy as "pi." In 1981, a Japanese mathematician published an 800-page book containing the value of pi computed to two million places. Most students know it as 3.14, but--for 5 points per digit--cite the next seven digits in the value of pi. Be careful--a wrong guess ends this bonus.


## 7. 20 POINT RONUS

Answer these questions about Moby Dick for 5 points each.

1. Who declares, "All visible objects are but pasteboard objects"?
[CAPTAIN AHAB]
2. Name Ishmael's roommate, who is also a Polynesian prince. [QUEEQUEG]
3. The Pequod was sunk after it was rammed by Moby Dick. Name the only person to survive.
[ISHMAEL]
4. What is the name of the whaling vessel that rescues Ishmael?
[RACHEL]
5. 20 POINT BONLS

The death of the 1984 winner of the Kentucky Derby and the Eelmont Stakes is very reminiscent of the death of a filly nine years earliar. She had won the Triple Crown for fillies in 1975 and was undefeated when she ran a match race against Foolish Pleasure. In the race she broke a leg and had to be destroyed. For 10 points each--name the colt who died in 1984 and the filly who died in 1975.

SWALE (colt) RUFFIAN (filly)
9. 25 POINT BONUS

It is a phenomenon of the twentieth century. After a President leaves office, he proceeds to write his memoirs for publication. This has been the case of every President who survived his term of office since Cleveland. For 5 points each, 25 for all four--name the President who wrote:

1. The Vantage Point [LYNDON JOHNSON or LBJ]
2. Mr. Citizen [HARRY TRUMAN]
3. A Time to Heal [GERALD (or JERRY) FORD]
4. Waqinq Peace [DWIGHT DAVID EISENHOWER]
5. 30 POINT BONUS

The years before the Civil war were very turbulent ones for people living in Kansas. In addition to shooting at each other, Kansans drew up three constitutions before adopting one of them. Each of the constitutions was known by the name of the city in which it was drawn. For 10 points each--name the threa constitutions.

TOPEKA CONSTITUTION
LECOMPTON CONSTITUTION
WYANDOTTE CONSTITUTION
11. 25 POINT BONUS
"Close to You," "Raindrops Keep Falling on My Head," and "What's New Pussycat?" as well as many songs popularized by Dionne Warwick were composed by an American songwriting team who achieved prominence in the 1960 's. For 25 points--name these two men.

BURT BACHARACH AND HAL DAVID

Round \#10--Bonus

## 12. 30 POINT EONUS

Identify the characters in Greak mythology for 10 points each.

1. He wore Achilles' armor, but was slain by Hector. [PATROCLUS]
2. The father of Itarus [DAEDALUS]
3. He encountered Artemis while she was bathing; she changed him into a stag and he was killed by his own dogs.
[ACTAEON]
4. 30 POINT RONUS

On July 16, 1945, the United States ushered in the Atomic Age when it exploded a bomb in New Mexico. Since then, five other countries have successfully tested nuclear weaponry. For 5 points each--30 for all 5-within two years, each of these countries exploded its first atomic bomb in what year?

RUSSIA or SOVIET UNION or U.S.S.R.--1949 (Accept 1947 to 1951)
GREAT BRITAIN or UNITED KINGDOM or ENGLAND or U.K.--1952 (Accept 1950 to 1954) FRANCE- 1960 (Accept 1958 to 1960)
PEOPLE'S REPUBLIC OF (or MAINLAND) CHINA--1964 (Accept 1962 to 1966)
INDIA--1974 (Accept $\underline{1972}$ to 1976)
14. 20 POINT RONUS

The history of the United States is dominated by the men who served as President. But many Senators made their impact as well. For 5 points each--these men represented what state when they sat in the Senate?

1. Thaddeus Stevens [PENNSYLUANIA]
2. Joseph MeCarthy [WISCONSIN]
3. Robert Kennedy [NEW YORK]
4. Henry Clay [KENTUCKY]
5. 25 POINT EONUS

Mitosis, or simple cell division, occurs in five stages: anaphase, interphase, metaphase, prophase and telophase. For 25 points, all or nothing--in what order do these phases occur when the cell duplicates itself?

1. INTERPHASE or SECOND ONE
2. PROPHASE or FOURTH ONE
3. METAPHASE or THIRD ONE
4. ANAPHASE or FIRST ONE
5. TELOPHASE or FIFTH ONE or LAST ONE

15． 20 POINT BONUS

During the 1985 U．S．Open，T．C．Chen recorded the first double－eagle in the history of the tournament．For 20 points－－a double－eagle is also known by what other name？
＂ALBATROSS＂

17． 20 POINT BONUS
Abraham Lincoln＇s speeches were often memorable，and several of them are well－known today．For 10 points each－－identify the Lincoln speeches which contain these phrases：

1．＂Now we are engaged in a great Civil War．．．＂
［GETTYSBURG ADDRESS］
2．＂．．．with malice toward none；with charity for all．＂
［SECOND INAUGURAL ADDRESS］

18． 25 POINT BONUS
Boron hydroxide is alkaline．Boric acid is acidic．Boron hydroxide and boric acid are the same chemical compound，one that can react with a strong acid or a strong base in a neutralization reaction．For 25 points－－what term is applied to this type of chemical？

AMPHOTERIC or AMPHIPROTIC

19． 30 POINT BONUS
He had seven operations in the month before he was to be inaugurated as Brazil＇s first civilian president in 21 years．And on the eve of the inauguration，he died．

1．For 15 points－－name him．［TANCREDO NEVES］〈NAY－ves〉
2．For 15 more points－－who became president after the death of Neves？ ［JOSE SARNEY］〈sar－NAY〉
20. 20 POINT BONUS

With the sole exception of The informer, every motion picture that had both the Eest Actor and the Best Director also won the Oscar for Best Picture. For 10 points each--identify these films by their Oscar-winning actors and directors;

1. 1971: Gene Hackman and William Friedkin [THE FRENCH CONNECTION]
2. 1944: Bing Crosby and Leo McCarey [goING MY WAY]
3. 30 POINT BONUS

Thirty points are yours if you identify the writer on the first clue, 20 on the second, and 10 points if you need all three clues to name him. Each clue is the title of one of his books.

1. Visions of Gerard 〈zhay-RAHR〉
2. The Town and the City
3. Big Sur

JACK KEROUAC
22. 30 POINT BONUS

It is usually easier to remember a victor than a loser. For 10 points each--who lost these decisive battles?

1. Blenheim (1704) [FRANCE or FRENCH]
2. Poltava (1709) [SWEDEN or SWEDES]
3. Sedan (1870) [FRANCE or FRENCH]
