ROUND 8
Technophobia 1996
House packet

Toss-ups:

1. About $90 \%$ of all stars are part of this, which does not include giant stars, supergiants, or white dwarfs. The stars in it are considered "ordinary," and extend from the upper left to the lower right of an $\mathrm{H}-\mathrm{R}$ diagram. For ten points, name it.

ANSWER: the _MAIN SEQUENCE_
2. When his brother Louis XVIII died in 1824, this man, then the Comte D'Artois, succeeded to the throne. The leader of the ultras, a group of radical aristocratic emigres, he was dealt a severe blow in the 1830 parliamentary elections. He issued the restrictive July Ordinances in response; for ten points, name this French king deposed in the Revolution of 1830.

## ANSWER: _CHARLES X_

3. This movement's most famous literary members included Henri Michaux, Paul Eluard, and Louis Aragon. Named by Guillame Appolinaire and by Andre Breton, it sought to express the subconscious by suspending logic and reason. For ten points, name the movement whose visually artistic members included Rene Magritte and Salvador Dali.

ANSWER: _SURREALISM_
4. In Greek mythology, she was the mother of Clytemnestra, Helen, and the twins Castor and Pollux. She is best known, however, for the cygnine form Zeus took to seduce her. For ten points, name this woman, the subject of paintings by Michelangelo and Veronese, and a poem by Yeats, who was swept away by a divine swan.

Answer: _LEDA_
5. A student of Franz Boas, this son of an Orthodox Jewish rabbi separated the Indian languages of North America into 6 major divisions, and later founded the school of anthropology at Yale University. He advanced the revolutionary theory that man perceives the world through language and only by understanding a language can a culture be comprehended. For ten points, name the founder of ethnolinguistics.

ANSWER: Edward _SAPIR_
6. Born in Kosice, Slovakia in 1980, she moved to Switzerland at age seven when her mother married computer scientist Andreas Zogg. She hit the Corel/WTA Top 20 in 1995, and in July 1996 made history by becoming the youngest person ever to win a Wimbledon event, the womens' doubles. For ten points, name this tennis phenom who made the 1996 U.S. Open singles semifinals and on October 13 won her first Tour
singles title.
Answer: Martina _HINGIS_
7. Much about the crash of Flight 800 en route to France remains a mystery. What isn't a mystery is the county off whose coast the remnants of the fated flight landed. What, for ten points, is the name of this eastern county of Long Island?

ANSWER: _SUFFOLK_
8. As a student at Russia's first Finnish-language school, he encountered the Kalevala, which inspired many of his works including Luonnatar. In 1892, his Kullervo Symphony made him an overnight success and his "En Saga" and "Four Legends" solidified his reputation. Name this composer of "Finlandia", who lapsed into inactivity from 1925 to his death in 1957.

ANSWER: Jean (Johan) _SIBELIUS_
9. The earliest recorded European visit to this state was in 1603, when Martin Pring sailed up the Piscataqua River. It was first settled in 1623, and was the first colony to proclaim independence from England. Its many scenic mountains led to nicknames such as the Switzerland of America and the Granite State. For ten points, name this home of Mount Washington, whose capital is Concord.

ANSWER:_NEW HAMPSHIRE_
10. He lived in exile in Babylon around 586 B.C., both before and after the fall of Jerusalem. His book of the Bible can be divided into six parts, God's call to the prophet, messages of doom on Jerusalem, God's judgment of the nations, God's promise to his people, a prophesy against Gog, and a vision of the future Temple and land. For ten points, name this major prophet, whose book follows Lamentations.

ANSWER:_EZEKIEL_
11. A crucial episode in the origin of species occurs when the gene pool of a population is severed from other populations of the parent species. This is often a result of a geographic barrier that physically isolates the population. When this happens, the splinter population can follow its own evolutionary course. Fof ten points, name this type of speciation, from the Latin for other and homeland.

ANSWER: _ALLOPATRIC_
12. His original songs include "The Check's in the Mail", "Midnight Star", "This is the Life", and "Velvet Elvis", and many others, so he gets annoyed when ignorant reporters ask him if he's ever going to write his own music. For ten points, identify this performer cursed by the success of such songs as "I Love Rocky Road", "My Bologna", "Amish Paradise", "Yoda", and "Like a Surgeon."

## ANSWER: "Weird Al" _YANKOVIC_

13. The festival of Sukkot starts on the 15th day of Tishri, the seventh month of the Jewish year, five days after an even more important day for Jewish observance, at least based on synagogue attendance. What is the name, for ten points, of the day observed on the 10th of Tishri and involving fasting for all adults?

ANSWER: _YOM KIPPUR_(accept_DAY OF ATONEMENT_)
14. He went from the top of the world to the bottom of a coffin -- all within two days. He had graduated from the University of Maryland, and was the first draft pick of the Boston Celtics. NBA stardom seemed assured, until tragedy struck. For ten points, who was this man who was found dead from a cocaine overdose on the morning of June 19, 1986 ?

ANSWER: Len _BIAS_
15. The 35th anniversary edition is in the stores, and the author is making a tour. It's hard to say how much of the reputation is owed to the illustrations by Jules Feiffer. What, for ten points, is the title of this book by Norton Juster about a dog named Tock and a boy named Milo?

## ANSWER: The _PHANTOM TOLLBOOTH_

16. It sits in Yoho National Park on the border between Alberta and British Columbia. It was discovered in 1909 but thoroughly misinterpreted. Only in the last thirty years has this collection of fauna been understood. What, for ten points, is the name of this fossil record, discussed by Stephen Jay Gould in _Wonderful Life_?

ANSWER: The _BURGESS SHALE_
17. It was passed over the veto of President Truman and amended the Wagner Act. This 1947 piece of legislation is generally known by the names of the senator and representative who sponsored it. What, for ten points, is the usual name of this act that banned boycotts, sympathy strikes, and strikes in interunion disputes?

ANSWER: _TAFT-HARTLEY_ Act
18. It is situated on the site of a Roman town called Condivincum. It is currently the capital of the Loire-Atlantique Department, and is the seventh-largest city in France. It was the center of the ebony and sugar trade, and became France's leading port in the 18th century. FTP, what is this city at the head of the Loire estuary that is more famous for a law signed there in $1598 ?$

ANSWER: _NANTES_
19. In Italy, it was originally a short lyrical poem of amatory
character, but developed on its own in the 1580's after reaching England in the 1530's. Now, it titles a 2-minute Rush song. FTP, what is this musical term used to describe a type of part-song, or short polyphonic composition, whose masters included Morley, Weekles and Wilbye?

ANSWER: _MADRIGAL_
20. Moise Tshombe and Albert Kalonji each led breakaway republics. Premier Patrice Lumumba and President Joseph Kasavubu tried to dismiss each other, but army leader Joseph D. Mobutu took over, and changed his name to Mobutu Sese Seko. FTP, this is the early history of what African country?

ANSWER: _ZAIRE_ or _INDEPENDENT CONGO REPUBLIG_
21. This story is one of the first in English to use dialect for comic effect. In it, two student clerks, speaking a broad Northern dialect, confront a miller who has cheated them out of some flour. They get their revenge by sleeping with his wife and daughter. FTP, what is this Canterbury Tale?

ANSWER: the _REEVE'S TALE_
22. She was taping a comedy bit for an appearance on the Tonight Show with Jay Leno when the horse she was riding slipped and fell, dropping her on the parking lot. Fortunately, this injury will have minimal impact on production of this six-foot tall New Zealander's syndicated television show. For ten points, who is Xena, the Warrior Princess?

## ANSWER: Lucy _LAWLESS_

23. His first important publication was The Sheapeardes Calendar, which can be considered the first work of the English literary Renaissance. However, he is remembered primarily for only one work, which consists of three books and a fragment, known as the Mutabilitie Cantos. FTP, name this glorifier of England and Queen Elizabeth, who wrote The Faerie Queen.

ANSWER: Edmund _SPENSER_
24. When the first European visited this city, there were about 100,000 skulls, as many as its living inhabitants, in a rack in the central square. From it, Montezuma II ruled a loose association of central and southern Mexican city-states. For ten points, name this capital of the Aztec empire.

ANSWER: _TENOCHTITLAN_
25. The last name's the same: William Wells, who is considered the first African-American to publish a novel, _Clotel_, published in 1853; Tom, hero of a popular novel by Thomas Hughes; Father, the fictional priest who is protagonist of a series of detective novels by G. K. Chesterton; and John, whose body was immortalized by Stephen Vincent Benet. FTP, give the common surname.

## ANSWER:_BROWN_

26. It consists of two conductors separated by vacuum or an insulator. When equal and opposite charges are placed on the conductors, the charge magnitude is proportional to the potential difference. This device stores electrical potential energy. FTP, name this electrical component.

ANSWER: _CAPACITOR_or_CONDENSOR_

ROUND 8
Technophobia 1996
House packet

Bonuses:

1. For the stated number of points, identify the musical adaptation of each of the following works:
a) (5 points) Pygmalion

ANSWER: _MY FAIR LADY_
b) (5 points) Green Grow the Lilacs

ANSWER: _OKLAHOMA!_
c) (10 points) $71 / 2$ Cents

ANSWER: The _PAJAMA GAME_
d) (10 points) The Idyll of Miss Sarah Brown

ANSWER:_GUYS AND DOLLS_
2. Answer the following questions about superconductivity for the stated number of points.
a) Superconductivity is caused by a coupling between electrons which causes them to act like bosons. For 10 points, give thę name for these pairs of electrons.

ANSWER: _COOPER_pairs
b) Cooper's original model of superconductivity was extended by himself and two others, who shared the Nobel with him. Name them for 5 points each.

ANSWER: John _BARDEEN_ and John Robert _SCHRIEFFER_
c) When a metal is cooled enough to become superconducting, it suddenly expels all magnetic flux. FTP, name this effect.

ANSWER: _MEISSNER_ effect (or_MEISSNER-OCHSENFELD_ effect)
3. I'll name the children's book, you name the author FTP each.
a) Where the Wild Things Are

ANSWER: Maurice _SENDAK_
b) Bedtime for Frances

ANSWER: Russell _HOBAN_
c) The Little Engine that Could

ANSWER: Watty _PIPER_
4. 30-20-10, Name the state from which the following famous people come:
30) Hank Aaron; Helen Keller
20) Tallulah Bankhead; Joe Louis
10) Harper Lee; George Wallace

ANSWER: _ALABAMA_
5. Given a "brief" description, name the U.S. Supreme Court Case/Decision, for 10 points each.
a) Caused a shift of power from rural to urban areas by declaring that each vote should carry equal weight; based on a Tennessee case and decided in 1962.

ANSWER: _BAKER VS CARR_
b) Decided in 1819, it upheld the constitutional doctrine of Congress' implied powers." Written by John Marshall, it dealt with the establishment of a national bank.

ANSWER: _MCCULLOUGH VS MARYLAND_
c) Supreme Court ruled that both Congress and territorial legislatures could not declare slavery illegal--only states could; it was decided under Chief Justice Roger Taney in 1857.

ANSWER:_DRED SCOTT VS SANFORD_
6. Given a list of countries, identify the country that all of them border FTP each.
a) The Sudan, Kenya, Tanzania, Rwanda and Zaire.

ANSWER:_UGANDA_
b) Turkey, Israel, Lebanon, Iraq.

ANSWER: _SYRIA_
c) Romania and the Ukraine.

ANSWER: _MOLDOVA_
7. Name the painter, 30-20-10.
30) Ottorino Respighi wrote an orchestral triptych based on his
artworks.
20) He spent his entire life in Florence, except for a visit to Rome from 1481 to 1482, where he painted wall frescoes in the Sistine Chapel.
10) He painted many images of Greek and Roman legends, such as Primavera and The Birth of Venus.

ANSWER: Sandro _BOTTICELLI_
8. In _The Gondoliers_, the Duke of Plaza-Toro sometimes led his troops into battle. He invariably led them out of it. For ten points apiece, identify the real British monarch who emerged victorious out of each of the following battles:
a) Stamford Bridge

ANSWER: _HAROLD II_
b) The Boyne

ANSWER: _WILLIAM III_
c) Dettingen.

ANSWER: _GEORGE II_
9. Answer these questions about a famous movie director for the stated number of points.
a) First, FTP, name this director, born in 1895 who directed such classics as _The Searchers_, _Stagecoach_, and _How the West was Won._

ANSWER: John _FORD_
b) Secondly, for five points each, name each of the four films for which John Ford won an Academy Award for Best Director. (15 seconds)

ANSWER: _THE INFORMER_,_THE GRAPES OF WRATH_, _HOW GREEN WAS MY VALLEY_, _THE QUIET MAN_
10. $30-20-10:$ Name the literary figure from the clues
30) He attended Harvard from 1906 to 1909, and from 1911 to 1914, he studied Indian philosophy and Sanskrit there.
20) His plays include The Cocktail Party, The Confidential Clerk, and The Elder Statesman, all comedies derived from Greek dramas.
10) One of his most memorable passages is: "Let us go then, you and I / When the evening is spread out against the sky / Like a patient etherized upon a table...

ANSWER: T.S. _ELIOT_
11. Name the states from the clues for the stated number of points:
a) (10 points) It is the only state never to have had a foreign flag fly over it, and, despite what many think, its name does not mean Gem of the Mountains.

ANSWER: _IDAHO_
b) ( 5 points) This state has the longest official name.

ANSWER: The State of _RHODE ISLAND_ and the Providence Plantations
c) (10 points) Three states are named after women. Name all three, all or nothing.

ANSWER: _VIRGINIA_, _MARYLAND_, _WEST VIRGINIA_
d) (5 points) It is small but of great value, thus it is the Diamond State.

ANSWER: _DELAWARE_
12. You may have rocks in your head and still do well on this bonus. Identify the following metals for ten points apiece.
a) It is the second most abundant metal element in the earth's crust. Guinea and Australia have $49 \%$ of the world's reserves.

ANSWER: _ALUMINUM_
b) It is not mined in the US and is used here mainly to produce capacitors. Australia, Brazil, Canada, and Thailand are the leading producers.

ANSWER: _TANTALUM_
c) It is mostly used in jet engines, airframes, and aerospace technology. It occurs in the west and midwest of this country, but also in the Ukraine, Russia, and Kazakhstan.

ANSWER: _TITANIUM_
13. Ah, another World Series question. Answer these questions about the Braves-Yankees series FTP each.
a) First, which 19 year old Atlanta left fielder slugged two home runs in his first two at bats in Game 1.

ANSWER: Andrew _JONES_
b) Secondly, which Yankees player did Andrew Jones replace as the youngest player to hit a home run in the World Series.

ANSWER: Mickey _MANTLE_
c) Finally, in the last three games of the NLCS and the first game of the World Series, how many runs did the Braves' stellar pitching staff allow?

ANSWER: _2_
14. Its Emmy time again. For five points each, and five more for all correct, name the winners of the last four Best Drama Emmies in order from 1993-96 and the comedy that has won the last three consecutive Emmys for Best Comedy. (20 seconds)

ANSWER: Dramas: 1993 - _PICKET FENCES_, 1994 - _PICKET FENCES_, 1995 - _NYPD BLUE_, 1996 - _ER_; Comedies: 1994-6 - _FRASIER_
15. Everything is black in this world. Answer the following black questions for the stated number of points:
a) (5 points) Who wrote _Black Beauty_?

ANSWER: Anna_SEWELL_
b) (5 points) Who wrote _Black Boy_?

ANSWER: Richard _WRIGHT_
c) (10 points) Who wrote "the Black Cat"?

ANSWER: Edgar Allan _POE_
d) (10 points) Who wrote "The Black Monk"?

ANSWER: Anton _CHEKHOV_
16. Name the American from the clues, $30-20-10$
30) A mining engineer, he supervised the feeding of Belgium in WWI and was head of the Food Administration.
20) He wrote a small book, American Individualism, in which he extolled the equality of opportunity, and he was a strong champion of small business in his position of Secretary of Commerce under Coolidge.
10) He was elected President in 1928.

ANSWER: Herbert _HOOVER_
17. The death of Spiro Agnew has permanently silenced one of the most recognizable voices to belong to a Vice-President. Perhaps his best known utterance is a four-word phrase he used to describe the media, three of the words starting with the letter $N$. You can have ten points apiece for giving each of the N words by which Agnew will go down to history.

ANSWER: _NATTERITNG__NABOBS_ of _NEGATIVISM_
18. Answer these questions about human blood for 10 points each.
a) What is the scientific name for red blood cells?

## ANSWER:_ERYTHROCYTES_

b) A clot forms when this plasma protein is converted to its active form, fibrin.

ANSWER: _FIBRINOGEN_
c) These types of cells in the marrow split into lymphoid stem cells and myeloid stem cells, which in turn produce the blood cells.

## ANSWER: _PLURIPOTENT STEM CELLS_

19. 30-20-10: Name the school of philosophy.
30) Ramanuja, a 12th century Hindu theist was an exponent of it, but Wilhelm Leibniz and George Berkeley are considered the founders of the movement
31) Most of them are idealists, believing that reality is either of, in, or for consiousness. Bergson, de Biran, and Ravaisson-Mollien are major French proponents.
32) It is in the tradition of "Cogito ergo sum", asserting that the real is personal.

ANSWER: _PERSONALISM_
20. Those crazy Greeks, always fighting with somebody. Answer these questions about the battle of Marathon for 10 points each.
a) What general commanded the victorious Greek forces at Marathon?

ANSWER: _MILTIADES_
b) For five points, what Persian emporer opposed Miltiades?

ANSWER: _DARIUS_
c) For 15 points, name either Persian general defeated at Marathon.

ANSWER: _DATIS_or _ARTAPHERNES_
21. Name the Tennessee Williams plays from the clues, FTP each
a) Its characters include Amanda Wingfield, Tom and Laura

ANSWER: _THE GLASS MENAGERIE_
b) A self-involved sadistic homosexual with an overprotective mother is eventually murdered on an island and eaten by cannibals.

ANSWER: _SUDDENLY LAST SUMMER_
c) This play is about tourists at a seedy Mexican hotel, such as the defrocked priest, a lusty widow, and a dying poet.

ANSWER: _THE NIGHT OF THE IGUANA_
22. Answer these questions about European right-wing parties.
a). A right-wing party has made major gains in the recent Austrian election. FTP each, name the party and its charismatic' leader.

ANSWER: The _FREEDOM PARTY_/ Georg_HAIDER_
b) For a final 10 pts, name the French leader of the National Front who is constantly escaping charges of anti-Semitism and whose vote-grabbing idea is abolishing the income tax.

ANSWER: Jean-Marie _LE PEN_
23. Hopefully you aren't furious right now because of your record in this tournament. On that note, lets answer some questions about the Furies in Greek Mythology.
a) First, give the names of the Three Furies in Greek Mythology for five points each and five more for all correct.

ANSWER: _ALECTO_ (Uh-LECK-to), _TISIPHONE_ (Tih-sih-FO-knee), and _MEGAERA_ (Meh-gair-UH)
b) Secondly, for ten points, give me the name of their mother.

ANSWER:_GAEA_
24. Answer these completely random chem questions for the stated number of points.
a) FTP, what type of covalent bond joins two monosaccharides into a disaccharide?

ANSWER: _GLYCOSIDIC_
b) For five points, what is the name for the measure of how difficult it is to stretch or break the surface of a liquid?

ANSWER: _SURFACE TENSION_
c) For ten points, what are organic compounds containing a sulfhydryl group called?

ANSWER:_THIOL_
d) For five points, what is the -OH functional group?

ANSWER: _HYDROXYL_
25. Pipe organs are beautiful instruments that make beautiful music. Let's debase the pipe organ and examine how it works. Answer these questions FTP each.
a) A stream of air emerges from the narrow slit next to a horizontal surface called a what?

ANSWER: _LANGUID_
b) There are two types of pipes, one that is open at both ends, the other open only one end. What is the name for the type of pipe open only at one end?

ANSWER: _STOPPED PIPE_
c) The frequency of a given pipe is given as a relationship between its length and the velocity of the air flowing through it. What is the formula for the frequency in terms of length and velocity?

ANSWER: _f=v/(2L)_

