Finals Round 1
Technophobia 1996
Toss-Ups

1. He was the Democratic candidate for vice-president in 1864, sharing the ticket with the former Union general George McClellan. After the war he was a Greenbacker and advocated redeeming some Civil War bonds in paper currency instead of gold, which alienated Eastern Democrats and cost him the 1868 presidential nomination. Many years later, after President Garfield was assassinated by a disappointed office seeker, he sponsored the civil service reform bill which bears his name. For ten points, name this senator from Ohio.

## ANSWER: George Hunt_PENDLETON_

2. People who are heterozygotes for this genetic defect on chromosome seven may tend to retain water and thus be better able to survive dehydrating diseases such as cholera. This is a plausible explanation for why the gene is so common, the most common genetic disorder among people of European descent, even though it is generally fatal for homozygous carriers. For ten points, identify this disorder which disrupts salt and water transport and causes the lungs and intestine to become plugged with mucus.

ANSWER:_CYSTIC FIBROSIS_ or _MUSCOVISCIDOSIS_,
3. You can understand this man's fiction better if you know that both his father and his mother went insane while he was still a child. In theory he was an anti-Semite, but he married a Jew. During his lifetime he was practically unknown, spending his effort on amateur magazines and ghostwriting stories for other people. For ten points, what now-highly-regarded horror writer and Providence native wrote "The Thing on the Doorstep", "The Whisperer in Darkness", and "The Shadow over Innsmouth"?

ANSWER: H. P. _LOVECRAFT_
4. It seemed that this band might break up after its summer tour was interrupted by the July 12 heroin overdose death of keyboardist Jonathan Melvoin and the arrest of drummer Jimmy Chamberlain. But Billy Corgan, the creative genius of the group, managed to pull it together. For ten points, name the band which has grown famous with its albums "Pisces Iscariot", "Siamese Dream", and "Mellon Collie and the Infinite Sadness".

ANSWER: _SMASHING PUMPKINS_
5. PENCIL AND PAPER MAY BE NEEDED. The magic number of a team at the end of a baseball season is the number of games that that team would have to win, or have its opponents lose, in order to guarantee an untied first-place finish at the end of the season. For ten points, find the magic number of a team with a record of 84 wins and 70
losses, whose closest opponent has a record of 80 wins and 72 losses. It may help to know that there are 162 games in a standard major-league baseball season. (Moderator: give fifteen seconds working time for this question.)

ANSWER: _SEVEN_(7)
6. The Grotto del Cane [CAH-nay] was a cave in Italy, so named because dogs that entered the cave would become unconscious. In the 17th century, a Belgian physician named J. B. van Helmont realized that near the floor the cave was filled with a gas that was heavier than air and did not support life. For ten points, what gas, the first gas to be recognized as distinct from air, did Helmont reproduce by treating limestone with acid?

ANSWER: _CARBON DIOXIDE_(or _CO2_)
7. "The male is a biological accident." "Sex is the refuge of the mindless." "The female function is to groove." These were some items in the manifesto written in the mid-60s by the founder and only member of S.C.U.M., the Society for Cutting Up Men. For ten points, what demented lesbian playwright earned her fifteen minutes of fame by non-fatally shooting Andy Warhol in 1968?

ANSWER: Valerie _SOLANAS_
8. Plot percentage of the population from poorest to richest on the x -axis; plot percentage of total wealth on the y -axis. The area between the resulting curve and a straight diagonal line is proportional to this number. In a country where income was distributed perfectly equally, this number would equal zero. In a country where the entire national income went to a single person, it would equal one. For ten points, name this measure of income inequality.

ANSWER: _GINI COEFFICIENT_
9. "To be, or not to be, that is the bare bodkin That makes calamity of so long life; For who would fardels bear, till Burnam Wood do come to Dunsinane..." Thus begins the sad mockery of Hamlet's soliloquy performed by the Duke and the Dauphin in, for ten points, what book by Mark Twain?

ANSWER: The Adventures of _HUCK_leberry _FINN_
10. In the folklore of the Algonkian Indians, it was a terrifying cannibalistic giant living in the forest. Its name also refers to a kind of psychosis, in which an Indian became obsessed with the idea that he was turning into a cannibal. For ten points, name this creature of the northern woods whose cry is said to drive men mad.

ANSWER: _WENDIGO_ or _WINDIGO_or _WIITIKO_
11. Call it "Independence Day 2: Earth Strikes Back". On July 4,

1997, this spacecraft is scheduled to enter the atmosphere of another planet. It won't blow up any cities, but it will land on the surface and deploy a small rover, which will roll around for a few hundred meters and take pictures. For ten points, identify this NASA mission, due to be launched around December 2nd.

ANSWER: Mars _PATHFINDER_(prompt on "Mars")
12. Heart disease has been the leading cause of death in the United States every year but one since 1900. In one year, this disease killed 550,000 Americans, an estimated 12.5 million Indians, and 20 million persons worldwide, while more than a billion were sickened. For 10 points, name this disease, which ravaged the world in 1918.

ANSWER: _INFLUENZA_or_FLU_
13. TWO ANSWERS REQUIRED. In 1977, on the 50th anniversary of their deaths, Governor Michael Dukakis of Massachusetts issued a proclamation removing any stigma from the names of this pair of anarchists. For ten points, name the shoemaker and fish peddler who were convicted of the murder of a shoe factory paymaster and later executed amid worldwide protests.

ANSWER: Nicola _SACCO_ and Bartolomeo _VANZETTI_ (both answers required)
14. If you try to keep an airplane on a perfectly level flight path, you may find it difficult to keep the altitude from slowly rising and falling, as there is a coupling between the kinetic energy and the gravitational energy of the plane. Lanchester observed this oscillation in gliders around 1900, but when he named it he got confused between the Greek for "to fly" and the Greek for "to flee". For ten points, name the lowest-frequency longitudinal oscillation of an airplane.

ANSWER: _PHUGOID_oscillation (or _PHUGOID_mode)
15. Best known for such pieces as "Black Bottom Stomp," "King Porter Stomp," "Shoe Shiner's Drag," and "Dead Man Blues," this pianist once claimed that he "invented jazz in 1902." That is an exaggeration, but he was a pioneer in the turn-of-the-century transition from early jazz to orchestral jazz. For ten points, name this leader of the Red Hot Peppers.

ANSWER: Jelly Roll _MORTON_ or Ferdinand Joseph _LA MENTHE_
16. He was apprehended after investigator Will Graham interviewed him and noticed his collection of early medical books. One of his eleven victims had been arranged in a facsimile of a medical illustration called _Wound Man_. He was confined to the Chesapeake State Hospital for the Criminally Insane under the care of Dr. Frederick Chilton. For ten points, who escaped detention after assisting FBI trainee
Clarice Starling with a psychological profile of Jame Gumb?
ANSWER: Dr. Hannibal "the Cannibal" _LECTER_
17. Despite the fact that he did not win or even compete in the Olympic 100-meters, some reporters called him "the fastest man alive" because his 19.32 second time for the 200-meters beats twice the world record time for the 100-meter race. FTP, name this man, who won Olympic gold in both the 200-meter and 400-meter in 1996 while wearing his unique gold sneakers.

ANSWER: Michael _JOHNSON_
18. Although not legal in the U.S., it is prescribed in Europe and Latin America to treat insomnia, anxiety, convulsions, and muscle tension. It can also cause temporary amnesia. For ten points, name this substance, ten times more potent than Valium, which has attracted particular attention because of its use in sexual assaults.

ANSWER: _ROHYPNOL_ or _FLUNITRAZEPAM_ (prompt on "date rape drug")
19. He proved that the capacity of a data channel was limited, and that it could be achieved using random codes. He also defined the entropy of a possible set of messages. For ten points, name this father of information theory.

ANSWER: Claude _SHANNON_
20. It is traversed by two parallel volcanic ranges containing the only active volcanoes in Russia, and has a cold and humid climate. Fishing, fur-trapping, and lumbering are the main occupations here, and its population is largely Russian but contains sizable Koryak minorities. For ten points, identify this 104,000 square mile area, a 750 -mile peninsula between the Sea of Okhotsk and the Bering Sea.

ANSWER: _KAMCHATKA_Peninsula
21. This Anglican clergyman became the chaplain to Queen Victoria in the same year that Charles Darwin published his _Origin of Species_. He was one of the first churchmen to support Darwin's theories. Although he wrote a number of popular historical novels, including _Hypatia_, _Westward Ho!_, and _Hereward the Wake_, today he may be best remembered for the children's book which was inspired by his thoughts on evolution. For ten points, name the author of _The Water Babies_.

ANSWER: Charles_KINGSLEY_
22. For over a century it had the name "morbus Gallicus," or "French sickness." The French called it "the Neapolitan disease," while the Italians called it "the Spanish disease." The term now used was coined in 1530 by an Italian physician, who wrote a popm in Latin about a shepherd boy who was crippled as a punishment for having insulted Apollo. For 10 points, name this disease, believed to have been brought to Europe by Columbus and his crew upon their return from the West Indies.

## ANSWER: _SYPHILIS_

23. Also known as Favonious, he is the lover of Flora and fans the inhabitants of Elysium. He bore Psyche to the flowery dale where Cupid was waiting to see her. In a fit of jealousy, he also diverted Apollo's missile and killed Hyacinthus. For ten points, name this personification of the west wind and gentlest of all the sylvan deities.

ANSWER: _ZEPHYRUS_
24. When this writer was six years old, his brother shot him in the left eye with an arrow, and he gradually lost the sight in his other eye. In 1959, he wrote _The Years With Ross_, about his years working with Harold Ross at the New Yorker. For ten points, who is this humorist and cartoonist, best known for "The Secret Life of Walter Mitty"?

ANSWER: James Grover _THURBER_

## Finals Round 1

Technophobia 1996
Bonuses

1. You know that Robinson Crusoe was shipwrecked on a deserted island.

But for ten points each, tell me what continent was he sailing from when he was shipwrecked on that island, what continent was he sailing to, and what was the purpose of his voyage?

ANSWER: Sailing from: _SOUTH AMERICA_
Sailing to: _AFRICA
In order to: _ACQUIRE SLAVES_ for his tobacco plantation and the plantations of his associates (prompt on vague reply like "trade")
2. As Tom Lehrer fans know, Alma Schindler married three major creative figures of the 19th and 20th centuries. Name them from the following clues for 10 points each.
a) Her first husband was a composer. Among other things, he wrote "Das Lied von der Erde."

ANSWER: Gustav _MAHLER_
b) Her second husband was an architect, founder of a major school of architecture.

ANSWER: Walter _GROPIUS_
c) Her third and last husband was a writer. He wrote "The Forty Days of Musa Dagh" and "The Song of Bernadette."

ANSWER: Franz _WERFEL_
3. The US Women's Swimming Team did quite well at the Atlanta Olympics. Notable was the presence of three very young swimmers, all of them only 14 years old at the Olympic trials. Name them from the following clues for 10 points each.
a) She won silver medals in the 100- and 200-meter breaststroke and a gold in the $4 \times 100$-meter Medley Relay while her parents watched with her signature teddy bear.

ANSWER: Amanda _BEARD_
b) She won two gold medals -- one in the 100-meter backstroke and a second in the $4 \times 100$-meter Medley Relay.

ANSWER: Beth _BOTSFORD_
c) She won no medals, finishing only 15 th in her only individual race, the 200-meter breaststroke.

ANSWER: Jilen _SIROKY_
4. "Oh, Be A Fine Girl, Kiss Me." The spectral types O, B, A, F, G, K, M cover most stars in the sky, but there are exceptions.
a) For five points each, what three letters indicate very cool stars, cooler than M type stars?

ANSWER: _R_, _N_,_S_
b) For five points, what letter refers to stars hotter than O-type, with surface temperatures in excess of 80,000 Kelvin?

ANSWER: _W_ (for Wolf-Rayet stars)
c) For five points, what letter refers to novas?

ANSWER: _Q_
d) For five points, what letter refers to an odd star which doesn't fit into the system?

ANSWER: _P_ (for peculiar)
5. This remote area of northwest China is officially not a province but an "autonomous region." Its name means "new frontier," and it forms China's borders with India, Pakistan, Afghanistan, Tajikistan, Kyrgystan, and Kazakstan, as well as part of the borders with Russia and Mongolia.
A) For ten points, name this region.

ANSWER: _XINJIANG_ (SHIN-jeeahng)
B) For another 10 points, name the capital of Xinjiang.

ANSWER: _URUMQI_ (oo-ROOM-chi or oo-roo-MOO-chi)
C) There are more than 40 different ethnic groups in Xinjiang, with Han Chinese still in the minority despite the relocation of millions in recent decades. The largest ethnic group in Xinjiang is a Turkic-speaking Islamic people who officially govern the region. For ten points, name them.

ANSWER: _UYGURS_ (WEE-gurs)
6. The four Gospels of the New Testament all relate the crucifixion of Jesus Christ, but they do not all agree on his last words on the cross. Given the Gospel, give the last words of Jesus on the cross recorded in that Gospel, for ten points each. If it helps, all of the answers are incorporated into the crucifixion scene in "Jesus Christ Superstar".
[Moderator: The answers given are from the King James Version.

Bear in mind that English translations may vary and accept close equivalents.]
A) Matthew and Mark.

ANSWER: _ELOI, ELOI, LAMA SABACHTHANI?_ or _MY GOD, MY GOD, WHY HAST THOU FORSAKEN ME?
B) Luke.

ANSWER: _FATHER, INTO THY HANDS I COMMEND MY SPIRIT._ C) John.

## ANSWER: _IT IS FINISHED._

7. In 1827, in Edinburgh, Scotland, an old pensioner died in the Log's lodging house. Instead of burying the body, the two men running the inn sold the corpse to a surgeon at the University of Edinburgh for seven pounds ten shillings. Inspired by this profit, the two men spent the next year enticing travellers into their inn, getting them drunk, smothering them to death, and selling their bodies to the medical school. For ten points each, name these two infamous murderers and the eminent surgeon who purchased their cadavers.

ANSWER: William _BURKE_ and William _HARE_.
The surgeon was Robert _KNOX_.
8. Several major movies have been drawn from the science fiction stories of Philip K. Dick. For ten points each, given the title of a movie and the year of its distribution, name the P.K. Dick story on which it was based.
a) Blade Runner, 1982. ANSWER: _DO ANDROIDS DREAM OF ELECTRIC SHEEP?_
b) Total Recall, 1990. ANSWER: _WE CAN REMEMBER JT FOR YOU WHOLESALE_
c) Screamers, 1996. ANSWER: _SECOND VARIETY_
9. Although the Greek tragedian Sophocles wrote over 100 plays, only seven of them survive in their entirety. Three of them comprise the Oedipus trilogy _Oedipus the King_, _Antigone_, and _Oedipus at Colonus_. For ten points each, name any three of the remaining four extant plays by Sophocles.

ANSWER: _TRACHINIAN WOMEN_, (_TRACHINIAI_)
_AJAX_ (_AIAS_MASTIGOPHOROS)
_ELEKTRA_,
_PHILOKTETES_
10. a) First, for ten points, identify this public servant who died yesterday afternoon. After clerking for Oliver Wendell Holmes, he held a series of important posts in the New Deal establishment. He fell from grace on August 3, 1948, when he was accused of giving away

State Department secrets.
ANSWER: Alger _HISS_
b) For another ten points, what magazine editor claimed that Hiss had given him the secrets, which he then passed on to the Soviet Union?

ANSWER: Whittaker _CHAMBERS_
c) For a final ten points, after the investigations and trials that followed, Hiss was convicted of what crime?

ANSWER: Two counts of _PERJURY_
11. You probably know the answer to "Who is buried in Grant's tomb?" Can you answer these equally easy questions for fifteen points each?
a) Jacobean drama was produced during the reign of what monarch?

ANSWER: _JAMES I_ (Jacobus is the Latinized form of James)
b) In what country was John of Gaunt born?

ANSWER: _FLANDERS_ (Gaunt is a corruption of Ghent)
(also accept _BELGIUM, the modern country containing Flanders)
12. Answer the following questions about basic sentence structure for 10 points each.
a) All or nothing, name the three basic parts of a sentence in any language. Note that not all three necessarily appear in every sentence.

ANSWER: _SUBJECT_, _VERB_, and _OBJECT_
b) Most languages have a standard order for these three parts. Out of the six possible orders, only 3 are at all common, two of which are more common than the third. One of the first two arrangements is Subject, Verb, Object, as in English. Name the other.

ANSWER: _S-O-V_ or _SUBJECT, OBJECT, VERB_
c) Name the third most common order.

ANSWER: _V-S-O_ or _VERB, SUBJECT, OBJECT_
13. Caltech is justly proud of its record for the many scientific achievements of its faculty. FTP each, identify the following Nobel Prize winners, all of whom were Caltech faculty members when they won the prize.

1) Among his many non-Nobel winning accomplishments, he developed a theory of superfluid liquid helium

ANSWER: Richard _FEYNMAN_
2) He shared the Physiology or Medicine Nobel with Hershey and Luria for work on bacteriophages.

ANSWER: Max_DELBRUCK_
3) He won the Physics Nobel with Chandrasekhar for stellar nucleosynthesis.

ANSWER: William_FOWLER_
14. Centuries before Dennis Rodman, woman dressed up as men to get what they wanted. At least, in many of Shakespeare's plays they did. I will describe a cross-dressing plot from Shakespeare and you name the play in which it occurs for 10 points each.
a) After a shipwreck, Viola disguises herself as a man and acts as a go-between when Duke Orsino woos the Lady Olivia.

ANSWER: _TWELFTH NIGHT_
b) When she is banished, Rosalind flees to the forest of Arden dressed as a man.

ANSWER: _AS YOU LIKE IT_
c) Julia dresses as a man to travel to Milan after her beloved Proteus, who has betrayed both her and his friend Valentine for love of Sylvia.

ANSWER: The_TWO GENTLEMEN OF VERONA_
15. Name this political figure, $30-20-10$.

30: Like many great orators, he was a stutterer as a child in Boston. He was also an honor student, track star and musician, appearing on Ted Mack's Original Amateur Hour. He made his political connections in his 20s when he was working as a guitar-player under the names Calypso Gene and The Charmer.

20: Working in politics in Boston, he denied reports that Elijah Mohammed was sleeping with six of his young female assistants, causing great turmoil within the party. This eventually led him to become the new spokesman for Mohammed.

10: Many years after the fact, he admitted he may have precipitated the assassination of Malcolm X. After Elijah Mohammed died in 1975, this man worked to restore the glory of the Nation of Islam, a group which he still heads today.

ANSWER: Louis Abdul _FARRAKHAN_ (accept: Louis Éugene Walcott)
16. Sometimes it seems as if all superheroes live in America, most of them in New York City. But in the Marvel comic book universe, other countries do have their own superhuman protectors. For ten points each, identify the superhero team, given a country and some sample team members.
a) Country: Canada.

Members include: Sasquatch, Aurora, Puck, Vindicator.
ANSWER: _ALPHA FLIGHT_
b) Country: Great Britain. Members include: Captain Britain, Shadowcat, Nightcrawler.

ANSWER: _EXCALIBUR_
c) Country: U.S.S.R.

Members include: Major Ursus, Vanguard, Darkstar.
ANSWER: the _SOVIET SUPER-SOLDIERS_ (prompt on partial answer)
17. A casual inspection of the periodic table reveals that the abbreviations for many chemical elements don't correspond to their common names. Given the common name of an element, give the older or alternative name for that element that gave rise to the chemical symbol, for five points each.
$\begin{array}{ll}\text { a) Sodium. } & \text { ANSWER: _NATRIUM_ (Na) } \\ \begin{array}{ll}\text { b) Potassium. } & \text { ANSWER:_KALIUM_ (K) } \\ \text { c) Antimony. } & \text { ANSWER:_STIBIUM_(Sb) } \\ \text { d) Tin. } & \text { ANSWER: _STANNUM_(Sn) } \\ \text { e) Gold. } & \text { ANSWER: _AURUM_(Au) } \\ \text { f) Mercury. } & \text { ANSWER: _HYDRARGYRUM_(Hg) }\end{array}\end{array}$
18. Identify the work from quotes, $30 / 20 / 10$ :

30-- "Like one, that on a lonesome road// Doth walk in fear and dread,// And having once turned round walks on,// And turns no more his head;// Because he knows, a frightful fiend// Doth close behind him tread."

20-- "Farewell, farewell! but this I tell// To thee, thou Wedding-Guest!// He prayeth well, who loveth well// Both man and bird and beast."

10-- "Water, water, every where,// And all the boards did shrink;// Water, water every where,// Nor any drop to drink."

ANSWER: _THE RIME OF THE ANCIENT MARINER_
19. Identify these battles which took place in Scotland for ten
points each.
a) William Wallace defeated the English army in this 1297 battle.

ANSWER: _STIRLING_Bridge
b) Edward I beat back Wallace in this 1298 battle.

ANSWER: _FALKIRK_
c) The duke of Cumberland defeated Bonnie Prince Charlie in this April 27, 1746 battle.

ANSWER:_CULLODEN_
20. Answer the following questions about black holes for the stated number of points.
a) Black holes can only have a few properties detectable from far away. Give the three major long-range properties they can have for 5 points each. (10 seconds)

ANSWER: _MASS_, _CHARGE_, and _ANGULAR MOMENTUM_ (or _SPIN_)
b) The best-known sort of black hole has no charge or angular momentum. Give the name of the metric for this sort of hole for 5 points.

ANSWER:_SCHWARZSCHILD_
c) For a final 10 points, give the name of the metric for a spinning black hole.

ANSWER: _KERR_(or _KERR-NEUMANN_)
21. Name the composer from a list of works, 30-20-10.

30-- Requiem, Benevenuto Cellini
20-- Harold in Italy, Damnation of Faust
10-- Symphonie Fantastique
ANSWER: Hector _BERLIOZ_
22. There are 8 islands off the coast of California between Santa Barbara and San Diego. Five of them comprise Channel Islands National Park, while two of them are military reservations. For 5 points each, name any six of these eight islands.

ANSWER: _SANTA CATALINA_, _SANTA BARBARA_, _SANTA CRUZ_, _SANTA ROSA_, _SAN MIGUEL_, _ANACAPA_, _SAN CLEMENTE_, _SAN NICOLAS_
23. The year 1735 saw the first important victory for freedom of the
press when a printer was acquitted of libel on the grounds that the statements he had printed were true. Answer these questions about this famous case for ten points apiece:
a) Name the publisher of the _New York Weekly Journal_ who was arrested for libel following a year of scathing attacks on the British Colonial Governor.

ANSWER: John Peter _ZENGER_
b) Name the British Colonial Governor of New York who was criticized in the _New York Weekly Journal_ and had Zenger arrested.

ANSWER: William _COSBY_
c) Zenger was defended by a Philadelphia lawyer who successfully argued that the jury was competent to decide for itself the truth of Zenger's statements. For ten points, name him.

ANSWER: Alexander _HAMILTON_
24. Given the name of a famous painter, tell me the school of painting most associated with that artist, for ten points each.
a) Ascher (ash-er) Durand ANSWER: _HUDSON VALLEY_
b) George Bellows ANSWER: _ASHCAN_
c) Jackson Pollock ANSWER:_ABSTRACT EXPRESSIONISM_

