T1. Most of the mines placed in defense of this harbor turned out to be defective. If they hadn't, the rest of the fleet probably would have sank as quickly as the Tecumseh, the victorious admiral would have been Franklin Buchanan, and his opposite number would have gone down in history as a complete idiot. FTP name the 1864 battle during which Adm. David Farragut uttered the famous saying, "Damn the torpedoes! Full speed ahead!"

Answer: _MOBILE BAY_
T2. Hs most surrealistic collection, Poet in New York, was written after a 1928 emotional crisis when he fled to (logically enough) New York. This author, whose other collections include Gypsy Ballads and Lament for the Death of a Bullfighter, might have done better to stay in the U.S., considering how quickly Falangist soldiers executed him during his country's civil war. FTP name the Spanish poet and playwright whose dramas include Blood Wedding and The House of Bernarda Alba.

Answer: Federico _GARCIA LORCA_(prompt on Garcia or Lorca)
T3. A street is named after it in Pittsburgh, where Jim Delligatti created it. The crown, the club, and the heel are the proper terms for the three parts of the last item in the famous formula, the sesame seed bun. In the 30 years since its invention, over 14 billion have been sold. FTP name this ubiquitous double-decker sandwich.

Answer: the _BIG MAC_
T4. They tend to be brittle, shiny solids and are insulators at room temperature, but when heated or containing impurities, they become good electrical conductors. Sometimes, polonium and astatine are included. For ten points, give the collective name of elements such as antimony, silicon, and boron.

Answer: _METALLOIDS_
T5. Its creator considered adding a single red tear drop to this mural, but then decided to keep everything black and white. Originally created for the Spanish pavilion at the 1937 Paris World's Fair, it depicted the bombing of Basque civilians by the Luftwaffe during the Spanish Civil War. For ten points, name this mural depicting the horrors of war, created by Pablo Picasso.

Answer: _GUERNICA_
T6. Its main character is a Lithuanian immigrant who finds himself blacklisted in Packington after his imprisonment for attacking a foreman. Jurgis Rudkis lives as a tramp, a thief, and a scab during a meat-packers' strike before finding his way into a socialist meeting. FTP, name this portrayal of the stockyards and slums of Chicago, by Upton Sinclair.

Answer: The _JUNGLE_
T7. It's derived from an Ojibwan word meaning "his brother-sister kin." Referring to an object, usually a plant or animal, that serves as the emblem of an individual or kinship group, Freud linked it with "taboo" in a major work. FTP give this spiritual term often associated with tall carvings made by the Indians of northwest North America.

Answer: _TOTEM_[accept totem pole]
T8. It began on a Monday. By Wednesday, Egyptian forces had by and large been defeated, and by Thursday, the out-manned Jordanians had been overwhelmed. The Syrians were fleeing from El Quneitra (koo-NAY-truh) when a ceasefire was imposed on Saturday. Such was the course of, for 10 points, what war that occurred in 1967 and was named for its length?

Answer: _SIX-DAY_War
T9. He showed how sap moves through a network of vessels and skethced out the complex structures of roots, stems, and leaves. He was also the first to correctly describe red blood cells. A cloth merchant by trade, his original interest was inspecting cloth quality. While using homemade devices to do so, he observed what he termed "animalcules," which we know as rofiters, protozoa, and bacteria. FTP name this amateur scientist of 17 th century Netherlands.

Answer: Anton van_LEEUWENHOEK_

T10. Called by locals the "Red Heart", this sandstone monolith, rising about 1,000 feet, is a symbol of the land's desolation. It was while Lindy Chamberlain was visiting here that the dingos got her baby. FTP name this natural feature in the Northern Territory of Australia.

## Answer: _AYERS ROCK_

T11. It gives a more exact correspondence to the relation of the planets to the sun than Bode's law. It's denoted by the recursive definition f (subscript 1$)=1, \mathrm{f}($ subscript 2$)=1, \mathrm{f}($ subscript n$)=\mathrm{f}$ (subscript $\mathrm{n}-1)+\mathrm{f}($ subscript $\mathrm{n}-2)$, where $\mathrm{n}>=3$. Its limit goes rapidly to infinity. It has numerous real-life applications in biology besides the theoretical reproductive pattern of rabbits which was used in its formulation. FTP name this sequence, set forth by a famous 13 th century Italian mathematician.

Answer: _FIBONACCI SEQUENCE_(grudgingly accept Fibonacci numbers or series)
T12. Among his harshest critics was Bertrand Russell, who felt this man's misunderstanding of space and time formed a flawed base that invalidated his entire philosophy. Russell also labeled his belief in pure freedom "dangerous" and disparaged his reliance on intuition at the expense of intellect. FTP name this French philosopher, author of Laughter, The Creative Mind, and Time and Free Will.

## Answer: Henri _BERGSON_

T13. He was held in high estimation and placed on almost equal footing with Jupiter, his name even taking precedence in prayers. The Romans ascribed to him the civilization of the human race by means of agriculture, industry, arts, and religion, the ups and downs of fortune, the origin of all things, the introduction of the system of years, and the change of seasons. FTP name this Roman god who was represented with the head of a youth to indicate beginnings and another head of an old man to indicate the end.

Answer: _JANUS_
T14. He studied at the University of Arkansas, entering the House in 1943, and the Senate in 1945, losing his Senate seat in 1974. As chairman of the Senate Committee on Forcign Relations, he was a major Democratic critic of the Vietnam War. For 10 points, who is this Senator who died in 1998, best known for his educational exchange program between American and foreign universities?

Answer: J. William _FULBRIGHT_
T16. He was serving a 10-year hitch in San Luis Obispo prison in 1970, when the Weather Underground busted him out, and he fled to Afghanistan. But, the Feds finally caught him in 1973, and he went back to the pokey. But, in order to cut his own jail time, he turned in the very Weather Underground folks who'd sprung him in the first place, although his testimony didn't lead to any charges. For 10 points, name this FBI informant, Harvard lecturer, and LSD guru.

Answer: Timothy _LEARY_
T16. Jeane Dixon predicted that the Antichrist was born on Feb. 5, 1962, so suspicion now falls on this actress, with that birthday. And, she has done films called Flesh \& Blood, Heart of Midnight, and The Killing of Danny Webster, not to mention the TV movie in 1994 called "Would You Kindly Direct Me to Hell?" All in all, though, we just can't see Amy Archer from The Hudsucker Proxy, Stacy Hamilton from Fast Times at Ridgemont High, or even Hedra Carlson from Single White Female as being all that demonic. For 10 points, name this actress, the spawn of Vic Morrow, but probably not Satan.

Answer: Jennifer Jason_LEIGH_
T17. Inspired the Greek letter epsilon, its symbol contains two parallel lines denoting stability. Luc Luycx and Robert Kalina are responsible for its designs, which will be issued Jan. 1, 2002. FTP name this new addition to the world's currency market which was partially adopted at the beginning of 1999.

Answer: _EURO_
T18. This Sicilian's first and only comic opera, Adelson e Salvini, was staged at the Naples Conservatory while he was still a student there. His 2nd opera, Bianca e Gernardo, earned him a commission to compose at La Scala. There he teamed with librettist Felice Romani on 7 operas, including I Puritani, La Somnambula, and Norma. FTP name him.

Answer: Vincenzo _BELLINI_

T19. Newspaper editors Francis P. Blair, Sr. and Duff Green, Treasury Department auditors Amos Kendall and Major William Lewis, Senator Isaac Hill, and Secretary of State Martin Van Buren were all, FTP, members of what unofficial group of advisors for Andrew Jackson?

Answer: _KITCHEN CABINET_ (Accept on early buzz with Andrew Jackson.]
T20. Nationalistic riots at the theater were triggered its 1926 premiere. Among its most memorable themes is the vigor and resilience of lower-class women such as Bessie Burgess, who gets in a barroom brawl with Mrs. Gogan. Mrs. Gogan's daughter dies of tuberculosis and is buried in the same small coffin with the stillborn child of Nora Clitheroe, who nearly goes mad when her husband is killed on the barricades in the Easter Rebellion. FTP name this tragicomedy on tenant life and the dangers of Irish hyperpatriotism, written by Sean O'Casey.

## Answer: _THE PLOUGH AND THE STARS_

T21. These items appear in two different myths, but are used for essentially the same purpose. Cadmus gets his by killing its owner, under orders from Athena. Jason got his from King Aeetes. Both performed the same action with the items, and in both cases, the hero succeed in his task. FTP, name these mythical items, that when planted, from them grow fully armed warriors.

Answer: _DRAGON_'s _TEETH_
T22. This 1514 work exemplifies the technique of engraving. Intended to symbolize the relationship between morality, theology, and intellectual ideas, the main figure of the print represents the artist, who has the knowledge and technical skill to create, but is weighed down by the wings of inspiration, which in this case will not fly. FTP, name this work by Albrecht Durer.

## Answer: _MELANCHOLIA I_

T23. It is a disorder of the basal ganglia of the brain and is helped by drugs such as L-Dopa that affect impulse transmission to those sites. Mental ability is preserved except in those cases following encephalitis lethargica. FTP, what is this common disorder of the elderly, causing a characteristic mask-like facial appearance, shuffling gait, and muscular tremor at rest, currently being treated by infusion of human fetal cells into the brain?

Answer: _PARKINSON'S_Disease
T24. Born in the Ehime Prefecture on Shikoku, this author felt he was intended to be the voice of the periphery. He tells of a group of schoolchildren who, upon being asked what they would do if the emperor asked them to die, replied "I would cut open my belly and die, sir" in The Youth Who Came Late. Many of his novels stem from his relationship with his brain damaged child, among them A Personal Matter and The Silent Cry. FTP, who is this winner of the 1994 Nobel Prize in Literature?

Answer: Kenzaburo _OE_

1999 Terrapin Invitational Tournament
Questions by Charlie Steinhice
BONUSES (All worth 30 points)
B1. Charlie Steinhice originally wrote this question as a $30-20-10-5-1$ before remembering this was a real collegiate competition. Name this man, 30-20-10-5:
30) On a dangerous mission during the French and Indian War, he slipped behind enemy lines and surveyed the St. Lawrence River. His charts greatly aided the British in their conquest of Quebec.
20) In 1768 he was appointed to take scientists to the Pacific to observe Venus passing between the earth and the sun. He also had secret orders to search for another continent -- and didn't miss Antarctica by much.
10) He did discover New Caledonia, New Zealand, and the Sandwich Islands.
5) He also explored and claimed for Britain the fertile east coast of Australia.

Answer: James _COOK
READER'S NOTE: The 1-point clue was "Among his other discoveries were Cook Strait \& the Cook Islands."
B2. Answer these questions about the death of stars for 10 points each.

1. This mass limit is about 1.4 solar masses, and is the heaviest mass of a star that can evolve into a white dwarf.

Answer: _CHANDRASEKHAR_limit
2. What is the name of the point located at the center of the black hole, into which all matter and energy is eventually "sucked?" Answer: _SINGULARITY
3. Neutron stars are observable as what source of regular, intermittent radio waves?

Answer: _PULSARS_
B3. The May 19, 1999 Onion had a guest editorial entitled "I Wish I Were Pretty", allegedly written by a former chancellor of the University of Wisconsin and chair of the Children's Defense Fund, and now Cabinet member. For 10 points each, identify the following figures from comments about them in that editorial.

1. The putative author, she describes herself as "some gross, big-nosed Health and Human Services chief." Answer: Donna _SHALALA_
2. Shalala complains that she never catches any of the other Cabinet members looking back at her, since they're all too busy looking at this "pretty Energy Secretary"
Answer: Hazel _O'LEARY
3. There was the one time, though -- "Once, I thought [this] Secretary of Agriculture ... was glancing my way."

Answer: Dan _GLICKMAN_
B4. TRAVELS WITH CHARLIE: Charlie first encountered these newer works by renowned authors in a Borders on the Magnificent Mile in Chicago. Name the authors FTPE; if you need an earlier work you'll only get 5 pts.

1. 10 points - The Ground Beneath Her Feet

5 points - Midnight's Children Answer: Salman_RUSHDIE_
2. 10 points - Starr Bright Will Be With You Soon (author writing as Rosamond Smith)

5 points - American Appetites
Answer: Joyce Carol _OATES_
3. 10 points - Empress of the Splendid Season 5 points - The Mambo Kings Play Songs of Love

Answer: Oscar_HIJUELOS_

B5. Given a description of an ancient battle, name the battle for 10 points each.

1. In $490 \mathrm{BC}, 11,000$ Athenians under Miltiades repulsed a larger Persian force sent by Darius I.

Answer: MARATHON
2. The batue of Salamis in 480 BC destroyed the Persian navy, but this battle in 479 BC destroyed the Persian land forces.

Answer: _PLATAEA
3. Who won the battle of Chaeronaea in 338 BC , ending Greek aspirations of independence?

Answer: _PHILIP_ of Macedon; accept Philip of Macedon; prompt on Philip 6.
B6. Name the opera from a plot summary FTPE:

1. Radames, a fierce warrior, loves the title character, but Amneris, the Pharoah's daughter, loves Radames. In the end, Radames and the title character get to die together.
Answer: _AIDA
2. The Count of A Almaviva is fond of Rosina, a beautiful girl under Don Bartolo's protection. The Count calls on the title character for assistance, and eventually the County and Rosina are married; the title character's wedding is in a later opera.
Answer: _THE BARBER OF SEVILLE_
3. The opera opens with the Duke of Mantua throwing a party to brag about his many lovers. The title character, a hunchbacked jester, has a secret daughter, Gilda, who is seduced by and loves the Duke. The title character eventually throws his daughter, unknowingly, into the river Mincio.
Answer: _RIGOLETTO_
B7. Some film directors have a close working relationship with a given composer. Given a film scorer, name the director with whom they're most often associated FTPE. If you need some of the films on which they collaborated, you'll only get 5 pts.
4. 10 points - Bernard Herrmann

5 points - North by Northwest, Psycho, The Man Who Knew Too Much, Vertigo
Answer: Alfred_HITCHCOCK
2. 10 points - Walter/Wendy Carlos, before and after a certain surgical procedure 5 points - A Clockwork Orange, The Shining
Answer: Stanley _KUBRICK_
3. 10 points - Danny Elfman

5 points - Mars Attacks!, Scrooged, Beetlejuice, The Nightmare Before Christmas, Batman, and Sleepy Hollow
Answer: Tim _BURTON_
B8. Given the year \& reason for the award, name the Nobel laureate in Physiology or Medicine for the stated number of points:

1. 5 points -- 1945 (with Ernst B. Chain and Sir Howard W. Florey), discovery of penicillin

Answer: Sir Alexander_FLEMING
2. 10 points -- 1904, advances in the physiology of digestive secretions

Answer: Ivan_PAVLOV_
3. 15 points - 1924, creation of the electrocardiogram

Answer: Willem_EINTHOVEN_
B9. Okay, so you learned the names of the Leatherstocking Tales. Maybe you memorized the chronological order they fall in and the order they were written in. Ever read the damn things? For 5 pts. each and 5 for all correct, name the novel from clues:

1. Saga of good Delaware vs. bad Iroquois; between Iroquois torture sessions, Natty helps Chingachgook rescue his beloved Wah-ta!Wah.
Answer: _THE DEERSLAYER_
2. Natty falls for Mabel Dunham, but she falls for Jasper Western, whom Natty clears of espionage charges. Chingachgook makes an appearance.
Answer: THE PATHFINDER
3. Saga of good English vs. bad Hurons and worse French; Chingachgook gets to see the death of his son Uncas.

Answer: _THE LAST OF THE MOHICANS
4. Natty gets in trouble for shooting a deer out of season, but the story is really about ownership of an estate. Chingachgook, now called Indian John, rejects his Christianization just before he dies.
Answer: _THE PIONEERS
5. Saga of good Pawnees vs. bad Sioux set in Nebraska; Chingachgook does not appear 'cause he's still dead.

Answer: _THE PRAIRIE_

B10. This is another bonus Charlie originally designed as a 30-20-10-5-1. Name this condition, 30-20-10-5:
30) T.L. Harris and R.E. Hodges developed a definition of it widely used in the medical profession, although educators and psychologists initially resisted the use of this term.
20) Drake, Gabriel, and Kemper have found postmortum evidence of its neurological basis in studies of the corpus callosum, the parietal lobe, and differences between the left and right planum temporae.
10) Boder identified 2 distinct subtypes, which she termed "dysphonetic" and "dyseidetic." Pirolozzo redefined the subcategories according to the decoding strategies used, as "auditory-linguistic" and "visual-spatial."
5) The best-known manifestation of this learning disorder is the repeated transposition of letters in reading and/or writing.

Answer: _DYSLEXIA
READER'S NOTE: The 1-point clue was "Among the support organizations formed to help those with this condition are the Dyslexia Institute, the Orton Dyslexia Society, and the International Dyslexia Association." Actually, Charlie wrote this as an 30-1-10-5-02 bonus.

B11. In Cabaret Sally Bowles danced at the Kit Kat Club, but not the one founded by prominent Whigs in the early 18th century. Name these men who bellied up to the original Kit Kat Bar for 10 points each:

1. The master of Restoration comedies such as Love for Love and The Way of the World

Answer: William _CONGEREVE_
2. Author of the treatise The Christian Hero and the comedies The Funeral and The Lying Lover, better known as cofounder and editor of The Tatler and The Spectator.
Answer: Richard _STEELE
3. Steele's collaborator on The Tatler and The Spectator, author of the heroic poem "The Campaign" \& the tragedy Cato.

Answer: Joseph _ADDISON_
B12. Identify these things having to do with changes of state, for ten points each.

1. This is the change from solid to gas, bypassing the liquid state.

Answer: _SUBLIMATION
2. This is the reverse of sublimation, a change from gas to solid, without passing through the liquid phase.

Answer: _DEPOSITION_
3. At this temperature and pressure, a substance may be in either a gas, liquid, or solid state.

Answer: _TRIPLE POINT_
B13. Baseball records include such arcana as Dave Stewart's 16 balks in 1988. For 10 pts. each name these record holders:

1. In 1916 with the Washington Senators he pitched 371 innings and allowed zero home runs.

Answer: Walter_JOHNSON
2. This Cincinnati pitcher's $\overline{1938}$ streak of 21 consecutive no-hit innings is only a National League record; Cy Young actually pitched 24 hitless innings over parts of three games but didn't get 2 no-hitters back-to-back.
Answer: Johnny__VANDER MEER_
3. His 10 doubles in World Series play is tied for the highest ever, but then he had plenty of chances. From 1947 to 1963 he played in a record 14 World Series, 10 of them on the winning side.
Answer: Lawrence Peter "Yogi" _BERRA_
B14. Oddly enough, the member of the UTC team whose last name begins with "VR-" didn't write this one. For 5 pts. each, name the ancient Greek authors of the following:

1. Oedipus at Colonnus
2. Lysistrata
3. Works and Days
4. Alcestis
5. The Bad-Tempered Man
6. "I have a beautiful daughter"

Answer: _SOPHOCLES
Answer: _-ARISTOPHANES_ Answer: _-HESIOD
Answer: _EURIPIDES_
Answer: _MEANDER_-
Answer: _SAPPHO_

B15. Name these physics constants FTPE:

1. 6.63 times 10 to the negative 34 th joule-seconds

Answer: PLANCK'S_constant
2. 5.67051

Answer: _STEFAN-BOLTZMANN'S_ constant
3. Although some say it's gradually decreasing, its present value is 6.67 times 10 to the negative 11th meters cubed over kilogram seconds squared
Answer: _GRAVITATIONAL_ constant
B16. For ten points each, identify these 14 th and 15 th century popes.

1. Born Rodrigo de Borgia, he became pope in 1492. He issued the Bull of Demarcation, ordered Savanarola's execution, and fathered Cesare and Lucrezia Borgia.
Answer: _ALEXANDER VI
2. An enemy of Alexander VI, he hid in France during Alexander's pontificate. Born Giuliano della Rovere, he became pope in 1503 and hired Michelangelo to paint the Sistine Chapel ceiling.
Answer: _JULIUS II_
3. This son of Lorenzo de Medici signed a concordat with France in 1517, allowing France's king to appoint important church officials. In 1521, he excommunicated Martin Luther.
Answer: _LEO X_
B17. Name these figures from Filipino history for the stated number of points:
4. 15 points - Born in 1869 , he led the rebellion at the turn of the century against Spain, and then had to continue the rebellion against the American "liberators" who replaced Spanish colonial rule with their own.
Answer: Emilio _AGUINALDO_
5. 5 points - The longtime President of the Phillipines, his claimed exploits as an anti-Japanese freedom fighter during World War II turned out to be as undeservedly overstated as his wife's shopping budget.
Answer: Ferdinand _MARCOS_
6. 10 points - After her husband was bumped off by Marcos' troops, this 1953 graduate of Mount St. Vincent College not only beat Marcos fair and square in an election, but also led the peaceful revolution that forced Marcos to admit it.
Answer: Corazon "Cory" _AQUINO_
B18. Name these scientists who made breakthroughs is cellular biology for the stated number of points.
7. 5 points -He was the first to observe plant cells in the late 1600 s

Answer: Robert _HOOKE_
2. 10 points - In the 1830 s these two German scientists asserted the first part of the Cell Theory. The first stated that all plants were made of cells and the second stated that all animals were composed of cells. Name them for 5 pts. each.
Answer: Matthias _SCHLEIDEN_ and Theodor _SCHWANN
3. 15 points - This German pathologist extended the work of Schleiden and Schwann by contending that cells only arise from other cells and that cells are the site of metabolism.
Answer: Rudolf_VIRCHOW_
B19. Meaning "inventor of joy", he was identified with the constellation Aquarius. This Trojan prince, said to be a lover of Zeus, replaced Hebe as a cupbearer.

1. First, FTP, name this boy whose name is also a Jovian moon.

Answer: _GANYMEDE
2. For ten points, Ganymede replaced Hebe after Hebe married this Greek figure.

Answer: _HERACLES_ or _HERCULES
3. For another ten points, Ganymede was the son of Laomedon, legendary king of this walled city.

Answer: _TROY_

B20. Identify these poets from an early work for 15 points apiece or for 10 points apiece from a pair of better-known ones.

1. 15 points - The Embargo, an 1808 poem in which the thirteen-year-old poet demands the resignation of Thomas Jefferson. 10 points - To a Waterfowl ; Thanatopsis
Answer: William Cullen _BRYANT_
2. 15 points - The Exiles Departure, a poem that William Lloyd Garrison published in the Newburyport Free Press. 10 points - Maud Muller; Snowbound
Answer: John Greenleaf _WHITTIER_
B21. Answer the following about a particular structure FTPE:
3. Its strength increases logarithmically in proportion to its size. It is easy to construct out of cheap materials but has rarely been used. Answer: _GEODESIC DOME
4. What professor at Southern IIlinois University designed the geodesic dome used for the American Pavilion at Expo' 67?

Answer: R. Buckminster _FULLER_
3. In what city was Expo' 67 held?

Answer: _MONTREAL_
B22. This is what happens when you run out of world history bonuses but have plenty of world history tossups left. Answer the following truly unrelated questions FTPE:

1. In December 1939, the British cruisers Achilles, Ajax, and Exeter pursued this German battleship that was sinking merchant ships in the Atlantic. The ship's captain wound up scuttling the ship and killing himself in the harbor of Montevideo, Uruguay. Answer: _GRAF SPEE_
2. He was so ill-received that his regime collapsed in less than a week. Name this head of the Nasjonal Samling Party, who proclaimed himself head of the Norwegian government on April 9, 1940.
Answer: Vidkun_QUISLING_
3. The last name's the same. Ambrosio, later made the Marqués de Osorno, was made captain general of Chile in 1788 and viceroy of Peru in 1796. His son, whose first name was Bernardo, was the liberator of Chile.
Answer: _O'HIGGINS_
