b) [10] This is the largest native religious movement, which grew in the mid- $19^{\text {th }}$ century around the use of mescaline and fought against the U.S. government for its use in court in the 1960s.
ANSWER: _Native American Church_ or _Peyotism_or_Peyote_religion
c) [10] This Ojibwa society was a secret society that provided supernatural influence to its members, including the powers of healing and causing death.
ANSWER: _Grand Medicine Society_ or _Mide_society or _Midewiwin_
Round 4: QŌTC IX: March 25, 2000
Questions by Yale A

1. It has bright yellow flowers and grows to a height of one to three feet in the wild. In ancient times, it was believed to drive evil spirits away, hence its name meaning "over an apparition." More recently this herb has been recommended for incontinence and all pulmonary ailments. Most notably, however, people have substituted it for drugs like Paxil and Prozac. FTP, name this herbal antidepressant.
ANSWER: SAINT JOHN'S WORT or HYPERICUM PERFORATUM
2. Anyone who eats the heart of one of these creatures will be able to understand the language of birds, while eating the tongue confers the ability to win any argument. Bathing in their blood grants immunity to stab wounds, and if you sow their teeth in the ground, an army of soldiers appears. FTP, name these usually-fire-breathing giant serpents familiar to St. George.
ANSWER: DRAGONS
3. He took power in 1980, leading an attack on the executive mansion, where he murdered and ritually disemboweled the president. Throughout his presidency he was charged with cannibalizing his enemies, and his country fell into civil war. He was finally overthrown in 1990 as rebels kidnapped him, cut his ears off, let him bleed to death, and sold the video on the streets of Monrovia. FTP, name this Liberian president, erroneously called "Chairman Moe" by Ronald Reagan.
ANSWER: Samuel K. DOE
4. Samer the Pirate walks off the end of the plank and plunges into the icy waters of the Atlantic. When he hits the water, blood gets diverted from his extremities to his heart and brain and his pulse slows. This is a vestigial reflex, more powerful in children, which helps aquatic mammals stay submerged for long periods. FTP name this reflex that aids the infamous swashbuckler in surviving his ordeal.
ANSWER: mammalian DIVING REFLEX
5. He was the first American to ever have an exhibit in London's Tate Gallery. As a teenager, he studied briefly with Reginald Marsh before serving in World War II and obtaining his bachelor and master's degrees at Ohio State. Though his early work concentrated on the American West, he dabbled in Abstract Expressionism before turning to his signature style. FTP name this modern American artist, most famous for his comic-strip style and paintings of Mickey Mouse and Donald Duck.
ANSWER: Roy LICHTENSTEIN
6. Local organizations are called houses and adherents of this religion believe in one supreme being, but also in spirits known as orishas, which have human-like behavioral characteristics. Priests have ache, the magical powers of the orishas. A fusion of Roman Catholicism with traditional Yoruba beliefs, it calls its supreme being Olodumare and is most popular in Cuba. FTP, name this AfroCaribbean religion.
ANSWER: SANTERIA
7. Actively involved in the humanist movement, his autobiography was called Commentarii and written from 1447 to 1448 . Born in 1378, his students included Paolo Uccello and Donatello. Major works of his include three bronze statues of saints in the Or San Michele and reliefs for the Siena Cathedral. However, his obtained his best-known commission in a competition with Brunelleschi and Jacopo della Quercia. FTP, name this sculptor, best known for his bronze doors to the Florence Baptistry.
ANSWER: Lorenzo GHIBERTI
8. Angustias, the oldest of five sisters, is being formally courted by Pepe el Romano, but he loves the youngest sister, Adela. After another sister, Martirio, tells Adela that their mother has shot Pepe, Adela kills herself. FTP, this describes what play with an allfemale cast, part of the trilogy including Yerma and Blood Wedding and written by Federico Garcia Lorca?
ANSWER: The HOUSE OF BERNARDA ALBA or La CASA DE BERNARDA ALBA
9. He fought for the Conferate side, but was captured at Shiloh. The Union released him when agreed to fight in Federal artillery regiment, but he left after he contracted dysentery. Also known as Bula Matari-"breaker of rocks"-he was born in Wales but emigrated to the U.S. as a teenager. Later, he took a job with Leopold II to explore the Congo, and later led an expedition to rescue Emin Pasha. FTP, name this explorer, rescuer of David Livingstone.
ANSWER: Henry STANLEY
10. Despite his family's disapproval of music, he mastered the violin, oboe, viola de gamba, recorder, and keyboard as a child. His first big break was as director of the Leipzig orchestra. His work there attracted attention, leading to directorial jobs in Eisenach and Hamburg, a position for which he beat JS Bach. The two remained friends, though, as this composer was CPE Bach's godfather, who later replaced him at Hamburg. FTP name this late baroque German composer, whose works include 1043 cantatas, 46 Passions, almost 50 concerti, and a three part set of Tafelmusik, or Table music.
ANSWER: Georg Philipp TELEMANN
11. She is ostracized by the stuffy socialite Mrs. Walker because of her relationship with the Italian Giovanelli. She goes with him to the Colosseum, where she catches the malaria that kills her. In the stage version, she survives to marry the American Winterbourne, the central figure of the novel. FTP, name this title character of a short novel by Henry James.
ANSWER: DAISY MILLER
12. He majored in math and physics at the University of Turin and after graduating in 1869 , he went on to become an engineer and railway director. From his home in Florence he began to study political philosophy and wrote articles in which he first analyzed economic problems with mathematical tools. FTP name this Italian economist who proved using indifference curves that the optimum allocation of the resources of a society is not attained so long as it is possible to make at least one individual better off without making another individual worse off.
ANSWER: Vilfredo PARETO
13. Inspired by the Wilmot Proviso, it was formed by a coalition of "Conscience" Whigs and "barnburners" in Buffalo. An antislavery party, their presidential candidate polled just 10 percent in 1848, but was instrumental in causing the election of Zachary Taylor. By 1854, the antislavery stance of the party was superseded by the Republicans, and it collapsed. FTP, name this American third party.
ANSWER: FREE SOIL Party
14. In A Distant Mirror, she likens the modern world to the fourteenth century, and she chronicles some of the great governmental blunders of history in The March of Folly. She won her second Pulitzer Prize for Stillwell and the American Experience in China, but, FTP, what historian is best known for WWI histories like The Zimmerman Telegram and The Guns of August?
ANSWER: Barbara TUCHMAN
15. The sale by the US to Taiwan of four destroyers equipped with this air-defense system has China upset. A sophisticated antimissile defense system that integrates radar, fire control, and weapons, the most famous ship equipped with it is the Ticonderoga. FTP, name this missile defense system named after Zeus' shield.
ANSWER: AEGIS
16. After the gods killed her father Thiazi for trying to steal the apples of immortality, she decided to declare war on Asgard, but made peace when Odin offered her the choice of any god she wanted as her husband. However, she was only allowed to view the marriage candidates from the waist down while making her decision and so married Njord, god of the wind and sea. This marriage was doomed to failure because she was the goddess of skiing. FTP name this Norse deity who eventually left Njord to marry Ull, the god of dueling and justice.
ANSWER: SKADI
17. Unaware of the conspiracy which had brought him to power, he upheld the land reforms of his predecessor and refused to restore land to the Catholic church. He ran the country largely from his own funds and saw himself as the protector of the Indian peasants. When French forces withdrew in 1867, he refused to abandon "his people" and was captured by Benito Juarez and executed over the protestations of Victor Hugo and Giuseppe Garibaldi. FTP, name this Austrian emperor of Mexico.
ANSWER: MAXIMILIANI
18. Mentioned by both the Rig Veda and Ptolemy, this city lies along a river of the same name. Capital of the Mogul empire for 22 years, it became the capital of its country in 1747, succeeding Kandahar. It sits largely in ruins today and its population is estimated to have dropped by more than $50 \%$ from 1988 to 1994. FTP, name the capital of Afghanistan.
ANSWER: KABUL
19. This Rockville, Maryland company may soon be a household name, having achieved one of greatest feats in biology ever. Using a shotgun sequencing method developed by President Craig Venter, they successfully sequenced the Drosophila genome and are at work on the human genome. FTP, name this genomics company, daughter of Perkin-Elmer, with stock symbol C-R-A. ANSWER: CELERA Genomics
20. It was under the Roman Empire, and later the Byzantine Empire from around 42 BC to 1309 AD when it was occupied by the knights of Saint John of Jerusalem. It highest peak is Ataviros and it is grouped with the Dodecanese Islands. Its largest city, which manufactures carpets, brandy, cigarettes and soap, shares its name. FTP, name this island of the Eastern Mediterranean, most famous for its Colossus.
21. In Japanese, he is known as Rock, which explains why his sister is named Roll. He is sometimes accompanied by a bird named Beat, and more often by a dog named Rush. Protoman has been both a friend and a foe, while more familiar opponents include Metal Man, Quick Man and Guts Man. FTP, name this blue robotic hero of a video game series from Capcom.
ANSWER: MEGA MAN (Do not accept "Mega Man X", who is a different character)
22. Until the discovery of chlorine in 1774, sunlight was generally used. In 1799, a powder was introduced composed of slaked lime and chlorine and was applied to paper and cloth. In 1920, liquid chlorine and the modern chemical were introduced. Currently, people use hydrogen peroxide, sulfur dioxide, a nd of course, sodium hypochlorite to do this. FTP, name the application or the common name of the chemical.
ANSWER: BLEACHing (accept close equivalents and SODIUM HYPOCHLORITE before it appears)
23. Introduced in January of 1989 at 4,899 dollars. It had a 16 megahertz 68 -oh- 30 processor, an internal hard drive, and a 1.4 megabyte floppy disk drive and could have a maximum of 128 megabytes of RAM. All of these were big steps up from the Macintosh SE which was introduced two years before. FTP, name this compact Mac, the first to have a slash in its name. ANSWER: Macintosh SE/30 (note, "Mac SE" is not acceptable, do not prompt on it).
24. In 1977, pitching for Cleveland, he pitched a no-hitter to the Angels. The next season, he won 20 games for the Red Sox, but he would eventually be traded away in the deal that brought Bill Buckner to Boston. After floundering on the Cubs for 2 seasons, he was picked up by the A's, who converted him to the bullpen. FTP, name this closer, perhaps best known for giving up a Kirk Gibson home run.

## ANSWER: Dennis ECKERSLEY

25. In linguistics, this is the process of deriving the grammatical sequences of a language from a basis that constitutes the grammar. In anthropology, it refers to one degree in the line of descent from a particular ancestor. When referring to computers, it is used to describe machines of similar levels of technological complexity. However, most people use this term in its sociological sense to refer to members of a society born at the same time. FTP, identify this term, used to describe the baby-boomers, Pepsi drinkers, and the crew of the Enterprise-D.
ANSWER: GENERATION

## BONI

1. Little Timmy is growing up and dealing with a whole variety of complex emotional responses. Identify the following psychological defense mechanisms Timmy uses to deal with his problems from a description, FTPE.
A. Timmy gives up his normal activities and now prefers to play with his old toys, symbolizing a desire to return to a less threatening stage of psychosexual development.
ANSWER: REGRESSION
B. Timmy decides to clean up his room making sure that every one of his toys is exactly in the right spot. This action is meant to purge an emotion that the ego can't handle doing through a compulsive ritual.
ANSWER: UNDOING
C. Timmy decides to channel his negative emotions into a creative endeavor by scribbling on the walls of his room. Even though his Mom will be mad, Timmy appears to have a well-developed superego capable of turning instinctive urges into social useful endeavors.
ANSWER: SUBLIMATION
2. Name the Shakespearian character from lines, 10 points each.
a. "This royal throne of kings, this scept'red isle, / This earth of majesty"

ANSWER: John of GAUNT
b. "Reputation, reputation, reputation! O, I have lost my reputation! I have lost the immortal part of myself, and what remains is bestial."
ANSWER: Michael CASSIO
c. "Your voices! For your voices I have fought; / Watched for your voices; for your voices bear / of wounds two dozen odd" ANSWER: Caius Marcius CORIOLANUS
3. Time for a literary conjunction bonus. Give the conjoined titles of the following literary works and American dramas, FTP each. a. The alcoholic Dick Diver from F. Scott Fitzgerald's last complete novel meets the Reverend Robert Shannon and his tour group at the Costa Verde hotel on the Mexican coast.
ANSWER: TENDER IS THE NIGHT OF THE IGUANA
b. Joe Keller is accused of manufacturing substandard airplane parts during World War II by Paul Morel, the artistic-minded son of an English coal miner.
ANSWER: ALL MY SONS AND LOVERS
c. Matthew Harrison Brady and Henry Drummond are the lawyers in a trial involving Mr. Toad, Mr. Badger, Mr. Mole, and the Water Rat.

## ANSWER: INHERIT THE WIND IN THE WILLOWS

4. Answer the following questions about Pictures from an Exhibition for the stated number of points.
[5+5] F5PE, name both the original Russian composer and the French gentleman who orchestrated it in 1922, 48 years after its original release.
ANSWER: Modest MUSSORGSKY and Maurice RAVEL
[5] Pictures from an Exhibition closes with a triumphant movement that is heavy on the brass in the Ravel orchestration, F5P, name it.
ANSWER: The GREAT GATE OF KIEV (Accept The GREAT GATE AT KIEV)
[15] Mussorgsky wrote the suite for piano in 1874 after visiting a memorial exhibition of a friend who had died the previous year. FTP, name this architect and artist.
ANSWER: Victor HARTMANN
5. After being left for dead in the icy waters of the Atlantic, our intrepid corsair, Samer the Pirate, finds himself beset on all sides by various beasties of the sea. Identify the creatures FTP each.
a. A member of this second largest fish species approaches the dashing buccaneer. Fortunately, our hero is not plankton, which is the only food of this large, slow swimming shark.

## ANSWER: BASKING shark or CETORHINUSMAXIMUS

b. Given he is in the icy waters of the Atlantic, the suave sea-dog is surprised when he is attacked by one of these normally docile 10 armed cephalapods that live in temperate shallow water. After vanquishing his foe, Samer saves the internal shells to be used as a calcium supplement for his parrot.
ANSWER: CUTTLEFISH or SEPIODIA (various species)
(Note: squids generally do not live in temperate shallow water and their internal shells are not used as calcium supplements for birds)
c. The appearance of this enormous fish, three times the size of the modern Great White shark, alarms our resourceful privateer, given
it's believed to be extinct for several million years and is known from fossilized teeth and a few vertebrae. What fish granted our hero a reprieve when it realized it should be swimming in warmer waters and headed for Jamaica?
ANSWER: Carcharodon MEGALODON (prompt on "Extinct Great White Shark" and be lenient on pronunciation)
6. Name the philosopher from works on a 15-10 basis.
A. 15: Aphorism as Political Wisdom, Remnants

10: The World as Will and Idea
ANSWER: Arthur SCHOPENHAUER
B. 15: Mathematical Logic, Word and Object, Set Theory and its Logic

10: The Roots of Reference, Philosophy of Logic
ANSWER: Wilfred Van Orman QUINE
7. Ten points each, identify these movies starring Cary Grant.
a. Grant and Eva Marie Saint star in this Hitchcock thriller featuring a climactic fistfight on Mount Rushmore.

ANSWER: NORTH BY NORTHWEST
b. Grant is a newspaper editor, and Rosalind Russell is his star reporter and ex-wife, in this remake of The Front Page . ANSWER: HIS GIRL FRIDAY
c. In this other Hitchcock film, Grant stars as a reformed cat burglar romancing Grace Kelly.

ANSWER: TO CATCH A THIEF
8. Greenland is the largest island in the world. For 5 points each, name the next six largest islands in any order.

ANSWERS: NEW GUINEA, BORNEO, MADAGASCAR, BAFFIN, SUMATRA, HONSHU
9. 10 points each, name the Aztec deities.
a. This warrior god, chief of the Aztec pantheon, has a name meaning "Hummingbird-on-the-left"

ANSWER: HUITZILOPOCHTLI (be lenient on pronunciation)
b. Huitzilopochtli's sister was this goddess of the moon, whom he dismembered after she had their mother killed.

ANSWER: COYOLXAUHOUI (co-yol-SHAO-key; again, be lenient)
c. This god of springtime is known as "Our Lord the Flayed One."

ANSWER: XIPE TOTEC (SHE-pay TOH-tec)
10. Given the famous national monument, name the architect or sculptor who designed it, FTPE.
A. Vietnam Veterans Memorial

ANSWER: Maya LIN
B. The Statue of Lincoln inside the Lincoln Memorial, Washington D.C.

ANSWER: Daniel Chester FRENCH
C. Mount Rushmore, SD

ANSWER: Gutzon BORGLUM
11. Identify the chamber useful in subatomic physics, FTPE.
a. Filled with an inert gas such as neon, this chamber contains several parallel metal plates spaced a short distance apart. A high voltage is applied across the plates causing the namesake phenomenon.
ANSWER: SPARK CHAMBER
b. Developed by Donald Glaser in 1952, in this sort of chamber a superheated liquid, usually hydrogen or deuterium, is used to track the paths of charged particles and is useful in high-energy nuclear physics.
ANSWER: BUBBLE CHAMBER
c. This chamber was developed by the Scot C.T.R. Wilson around the turn of the century. It contains a supersaturated vapor that condenses around ions produced by high energy particles as they pass through the medium, allowing their paths to be seen.
ANSWER: CLOUD CHAMBER
12. Answer the following questions about the recently celebrated holiday of Purim.
A. [5] This man, chief minister to the Persian King Ahasuerus, was convinced that the Jews living under his rule were rebellious and should be slaughtered. While he initially had the king's support, he lost it when the Queen, Esther, revealed her Jewish heritage and arranged for him to be hanged.
ANSWER: HAMAN
B. [10] The word Purim is Hebrew for what means of divination which Haman used to determine the execution date of the Persian Jews.
ANSWER: LOTS (As in casting out lots)
C. [15] Purim occurs during which month of the Jewish calendar?

ANSWER: ADAR
13. Identify the following figures from the history of anthropology FTPE.
A. A specialist in North American Indian cultures who taught at Columbia, this man is considered the father of modern anthropology. His students included Ruth Benedict, Margaret Mead, and Edward Sapir.
ANSWER: Franz BOAZ
B. The nephew of quizbowl's sociological mainstay, Emile Durkheim, this French anthropologist studied human societies as adaptive self-regulating systems. He eventually founded the Institute of Ethnology at the University of Paris.
ANSWER: Marcel MAUSS
C. Most famous for his fieldwork in the Andaman Islands and the Australian outback, this British sociologist developed a systematic framework of concepts and generalizations relating to the social structures of relatively simple societies.
ANSWER: A.R. (Alfred Reginald) RADCLIFFE-BROWN
14. Answer the following questions about the solution to Fermat's Last Theorem FTSNOP.
a. 5: This Englishman proved the theorem true in 1993.

ANSWER: Andrew WILES
b. 10: Wiles did this by showing that a special case of a conjecture involving the description of elliptic curves in modular functions was true. Name the conjecture.
ANSWER: TANIYAMA-WEIL (be lenient on pronunciation).
c. 15: In 1897, a German mathematician proved Fermat's Last Theorem for all powers less than one hundred and one except for 67, 59, and 37. His method was used to prove it for cases up to the four millionth power. Name him.
ANSWER: Ernst KUMMER
15. Given the losing presidential candidate, name his doomed running mate FTPE.
A. James M. Cox

ANSWER: Franklin D. ROOSEVELT
B. Thomas E. Dewey

ANSWER: Earl WARREN
C. Wendell Wilkie

ANSWER: Charles MCNARY
16. Name the country from its fifth largest city for 15 points, or its second largest city for 10 points.
A. 15: Batna

10: Oran
ANSWER: ALGERIA
B. 15: Machakos

10: Mombasa
ANSWER: KENYA
17. Identify the Dickens novel from characters for the stated number of points.
a. (5 points) Mr. Brownlow, Bill Sykes

ANSWER: OLIVER TWIST
b. (10 points) Uriah Heep, Steerforth, Mr. Micawber

ANSWER: DAVID COPPERFIELD
c. (15 points) Josiah Bounderby, Sissy Jupe

## ANSWER: HARD TIMES

18. 30-20-10, name the poet from lines.

30: "Say something! And it says, 'I burn.' / But say with what degree of heat. / Talk Fahrenheit, Talk Centigrade. / Use language we can comprehend."
20: "So I was once myself a swinger of birches. / And so I dream of going back to be."
10: "But I have promises to keep, / And miles to go before I sleep"
ANSWER: Robert FROST
19. Identify the artist from works on a 30-20-10-5 basis.
[30] Castrovalva (Abruzzi), Belvedere, Still Life with Mirror
[20] Bond of Union, Print Gallery, Three Worlds
[10] Relativity, Waterfall, Ascending and Descending
[5] Drawing Hands, Mobius Strip II (Red Ants)

## ANSWER: M.C. ESCHER

20. Recently there's been violence associated with Pakistan's dealings with the former Prime Minister Nawaz Sharif [sha-reef].

Answer these questions about it, 5, 10, 15.
a. 5: on March 10, a man associated with the former Prime Minister was killed in his office by gunmen. What was his profession?

ANSWER: ATTORNEY or LAWYER (acc. equivalents)
b. 10: What was the attorney's name?

ANSWER: Iqbal RAAD
c. 15: The Prime Minister's defense team in his trial is still viable (at the time of this writing, anyway). What is the name of the head of his legal team?
ANSWER: Khawaja SULTAN
21. Super Bowl 22 between the Broncos and Redskins featured one of the deepest collections of wide receivers in Super Bowl history. For 5 points per player, name the Redskins' three top wide receivers, and the Broncos' trio known as the "Three Amigos." ANSWER: Art MONK, Gary CLARK, Ricky SANDERS, Vance JOHNSON, Mark JACKSON, Ricky NATTIEL
22. Given the first leader of an international organization, name the organization FTPE.
A. Abdel Rahman Azzam

ANSWER: ARAB LEAGUE
B. Alberto Lleras Camargo

ANSWER: Oagnization of American States
C. Datuk Asit Singh

ANSWER: $\underline{A} s s o c i a t i o n ~ o f ~ S o u t h E a s t ~ A ~ s i a n ~ N a t i o n s . ~$
23. Given the date of a battle and the combatants, name the battle for 15 points each.
A. August 29, 1526. Turks, Hungarians.

ANSWER: MOHACS (pronounced Mo-hotch)
B. February 27, 1881, Boers, British

ANSWER: MAJUBA Hill
24. "The Sun is a mass of incandescent gas / a gigantic nuclear furnace" answer the following questions inspired by They Might Be Giants' "Sun Song"
a. "At a temperature of millions of degrees" Within $10 \%$ give the estimated core temperature of the sun in Kelvin.

ANSWER: 15 MILLION K (accept 16.5-13.5 million)
b. "The sun is far away ... that's why it looks so small." The distance between the Earth and Sun varies throughout the year, within $2 \%$, give the average distance in miles or kilometers (not astonomical units).
ANSWER: 93 MILLION MILES or 150 MILLION KILOMETERS (roughly, accept 94,814,924 to $91,096,691$ miles or 152,589,827 to $146,605,912$ kilometers)
c. "The Sun is so hot that everything on it is a gas" Give the three most abundant elements found in the sun, after helium and hydrogen. You'll get 10 points for all three or 5 for two.
ANSWER: OXYGEN (0.0676\%), CARBON (0.0372\%) NITROGEN ( $0.0115 \%$ )

