1. The benevolent male superbeing in the Star Trek episode "Return to Tomorrow," the Assyrian emperor who succeeded Shalmaneser $V$, a popular computer chess program, and the founder of the Akkadian empire circa 2300 B.C. share the same name. FTP, what is it?

Sargon
Toyo Kogyo corporation, the manufacurer of Mazda automobiles, is perhaps the world's largest producer of this German engineer's most famous achievement. FTP, name this engineer who developed the rotary internal combustion engine in the 1950's.


The Paschen series, the Lyman series, the Bracket Series, the Balmer series, and the Pfund series are, FTP, all series describing what?
emission or absorption spectral series of hydrogen (Note: if hydrogen is mentioned, or emission or absorption series are mentioned, ask for more information)

Born in 1887 and graduated from Bryn Mawr, this poet's work is noted for its complex structure and skillful observation of nature. Works include Poems, Marriage, The Pangolin and Other Verses, and Nevertheless. FTP, name her.


Nigeria
Everyone knows of the Round Table, but FTP, can you name the chair at King Arthur's Court in which no one could sit except those who were to see the Holy Grail?

## Sieqe Perilous

The populist party was formed in the 1890's at the culmination of a period of agrarian discontent in the United States. The advocated tax reform, regulation of railroads, and free silver. FTP, although the second is well known, who was the first populist party candidate?


## interpreters

Clotho, Lachesis, and Atropos are the three fates of Greek mythology. FTP, who are Urd, Verdandi, and Skuld?

His extensive career as a political journalist began as a Time magazine reporter in China during World War II, and he challenged common belief with his successful prediction that the Nationalist government would fall in his book Thunder out of China. FTP, name this recently deceased journalist most famous for his The Making of the President series.

## Theodore "Teddy" White

It's rare for a poet who's known for more than one poem to nevertheless have them all come out of the same collection, but A.E. Housman did this with "Loveliest of Trees, the Cherry Now", "When I was One and Twenty," "Terence This is Stupid Stuff," "With Rue My Heart is Laden," and "To an Athlete Dying Young," poems which were nearly all written in 1895 and, FTP, were published under what collected title?

## A Shropshire Lad

13 The time is $10^{-43}$ seconds in the age of the universe. Distinct particles cannot be spoken of, and quantum theory and gravity are hopelessly intertwined, such that none of the present physial theories offer a clue as to the structure of such a universe. FTP, appropriately enough, what is this time called?

Trap, size, power, made, hood, hunt, or hole. FTP, what troublesome word can precede them all?
man
15 Its influence waned under the later Stuart monarchs, and though it still exists, its orginal functions have been absorbed by the cabinet and the governmental departments. FTP, name this traditional group of advisors to the British throne.

## Privy Council

Futhor is the most famous one. It sounds like something out of Middle Earth, and indeed Tolkien used it. Its name means "mystery"in Old Norse, and it was a mystery to early archeologists and linguists who had to reach back into Germanic lore to translate the scratchings on gravestones and way posts. FTP, to what alphabet am I referring?
runic or runes
17 The basic equipment consisted of a beam of silver atoms passing through a nonhomogeneous magnetic field. The beam split up and produced two dots on a screen mounted after the magnet. Simple-but there supposed to be an odd number of dots. This experiment was later taken to be the first conclusive evidence of space quanitization and the concept of intrinsic angular spin of the electron. FTP, what is the name of this now-classic 1926 experiment?
the Stern-Gerlach experiment
His name literally means "the salvation of Jehovah." He served as the primary prophet to the royal court of Judah for almost 40 years, and according to tradition his career ended with his martyrdom by being sawn in two. FTP, name this prophet whose detailed prophecies of the life of the Jewish Messiah have resulted in his being called the "messianic Prophet."

19 In July 1853 Commodore Perry sailed into Tokyo Bay and refused to leave until a message from President Pierce had been delivered. When he returned for an answer in January of 1854, the Japanese reluctantly agreed to negotiate the opening of ports to American shipping. Thse negotiations resulted, FTP, in the signing of what commercial treaty?

Dragons, and Pete O'Brien and Pete Incaviglia can all be described by one word. FTP, what is it?

## Ranger

22. A note guaranteeing an investment in a bank for a fixed term; the number of "soldiers" in four centuries; and a plastic receptacle for digitalized sound can all be described by two letters. FTP, what are they?
23. If you were at the last division of the small intestine between the jejunum and large intestine, and if you were at the largest of the three bones composing either lateral half of the pelvis, you would be, in addition to cramped, at two locations pronounced exactly the same but spelled differently. FTP, say one and you've said the other.

## **BONUSES**

1. (20) You are a man (who has luckily just been reading Miss Manners) and your presence has just been requested at a formal wedding. Horrified, you scan your closet rapidly to see if the necessary items of clothing are present. For 10 pts. apiece, tell me:
A) if you are invited to a formal daytime wedding, what is the proper attire for you?

Morning coat or dress
B) if the formal wedding is in the evening, what should you wear?

## Black or white tie

2. (30) Many scientific theories made prominent during the Renaissance were actually developed during the Greek Classical period. For 10 pts. apiece, give the Greek scientist who proposed each of the following theories almost two millennia before the Renaissance.
A) This Greek not only predicted a round earth long before Columbus, but obtained a suprisingly accurate measurement of its size.

Eratosthenes
B) This Greek astronomer predicted a heliocentric solar system, but his view was ignored in favor of Ptolemy's until the time of Copernicus.

Aristarchus
C) The concept of the atom and the foundations of atomic theory were developed by this scientist whose basic theories remain accurate even today.

3. (30)In politics, as in religion, statements of fundamental principles can be called "doctrines." Given a brief statement of some of the most important 20 th century doctrines, give the world leader whose name is most associated with it.
A) The Soviet Union has the right to intervene militarily in neighboring states to protect the stability of its borders. Leonid Brezhnev
B) The Persian Gulf is an area of vital strategic value to the United States and the U.S. will use diplomatic or military power to ensure the free transit of commerce in that region. Jimmy Carter
C) The United States will support the governments of free nations who are resisiting attempted subjugation by armed minorities or outside forces.
(25) An electron beam is accelerated through a potential V and has achieved an energy eV (e times V). Upon striking a target, the electrons are slowed down, with the subsequent emission of X -ray photons. What is this continuous distribution of X-rays called, the name which, in German, means "braking or decelerating radiation?" 25 pts .

Bremsstrahlung
5. ( BQ ) Dryden's satire Absadom and Achitophel attacked those who at the time planned to place the king's illegitimate son, the Duke of Monmouth, on the throne. The allegorical basis of the satire is the story of King David in the second book of Samuel. For 5 pts. each, I'll give you a name and you give me the corresponding Enghsh personage or group meant:
A) David Charles II
B) Bathsheba
Duchess of Portsmouth (Barbara Villiers)
C) Mi thel (Davids's Queen) Catherine of Portugal
D) the Jews the English people

Ef Achitophel Anthony Ashley Cooper, Earl of Shaftesbury or
F) the Sanhedrin Parliament
6. (25) For 5 pts. for each in the correct location, place the folllowing events in French history in chronological order from earliest to latest: 1) the death of Richelieu 2) the Battle of Blenheim 3) the Edict of Nantes 4) the War of the League of Augsburg ends and 5) the beginning of the Fronde.

Edict of Nantes (1598) $\checkmark$
Death of Richelieu (1642)
the Fronde begins (1647) $x$
Augsburg war ends (1697) -
Battle of Blenheim (1704) -
7. (30) Americans have the habit of cheerfully "Americanizing" the names of foreign countries or cities they come across, such as the news correspondents who spent all of WWII oblivious to the fact that several million Poles were calling "Danzig" "Gdansk." Are you any better? For 5 pts. apiece, I'll supply the American version of the city or country and you provide the local (and usually international!) one.
A) Sweden Svensk $\sim$
B) FlorenceFirenze
C) Austria Osterreich
D) Finland Suomi
E) Moscow Moskva
F) Canton Guangzhou (be kind)
8. (30) For 5 pts. apiece, given a symphony number, key, and composer, you give the more common name associated with each.
A) Mozart's Symphony \#41 in C Major Jupiter $\smile$
B) Haydn's Symphony \#101 in D Major Clock
C) Beethoven's Symphony \#3 in $\mathrm{E}^{\text {b Major Eroica }}$
D) Schubert's Symphony \#9 in C Major Great $x$
E) Haydn's Symphony \#94 in G Major
F) Brahm's Symphony \#1 in C Minor

Surprise 10th y
9. (30) In economics, as in any other science, there exist a common set of laws and definitions recognized by any economist. For 10 pts. each, 30 pts. total, you identify the following terms or laws common to economics:
A) The highest valued alternative that must be sacrificed when one chooses an option.
opportunity cost
B) This economic law states that the total output of a group of people or nations will be greatest when the output is produced by the lowest opportunity cost producer.
law of comparative advantage
C) A law of classical (generally pre-1930) economics, it states that supply creates its own demand.

## Say's law $X$

10. We pride ourselves in having caught up on recent events in the Middle East. But I'll bet you--five extra points for giving them all--that you can't name these Arabian peninsula capitols for 5 pts. each.
A) People's Democratic Republic of Yemen
B) Bahrain
C) United Arab Emirates
D) Saudi Arabia
E) Oman
Aden Manama Abu Dhabi Riyadh Muscat
11. The years betweeen the end of the Mexican War and the beginning of the War of Southern Insolence were a crucial time in American history. It was during this time that the institution of slavery was most hotly debated in the U.S. Congress. In the hopes of ending conflict between the Northern and Southern states, many bills were introduced that were aimed at compromise. For 10 points each, given a description of a piece of legislation, name it.
A) These series of acts gave Texas $\$ 10$ million to abandon claims to New Mexican territory, enacted the Fugitive Slave Law, organized the territories of New Mexico and Utah, and abolished the slave trade in the District of Columbia. These laws helped delay civil war for about 10 years.

Compromise of 1850
B) This amendment to a $\$ 2$ million appropriations bill forbid. slavery in any territory obtained from Mexico with the \$2 million. Passed by the House in 1847 but defeated by the Senate, it became a basis for heated debate over the issue of slavery in U.S. Territory.

Wilmot Proviso
C) This proposal was introduced in the U.S. Senate in 1860 in an effort to keep the Southern states from seceding from the Union. It provided for the protection of slavery south of 36 $30^{\prime}$ and prohibition north of the line, denied Congress' right to
abolish slavery where Congress had jurisdiction, protected interstate trade of slaves, and provided for compensation for slave owners by the federal government for slaves that had escaped with the help of abolishionists.

Crittenden Compromise
12. (25) For 5 pts. each, and 25 pts. total, I'll give you the chemical formula for a basic hydrocarbon, and you tell me if it can be classed as an alkane, an alkene, or an alkyne.
$\begin{array}{ll}\text { A) } \mathrm{C}_{6} \mathrm{H}_{10} & \text { (alkyne) } \\ \text { B) } \mathrm{C}_{10} \mathrm{H}_{20} & \text { (alkene) } \\ \text { C) } \mathrm{C}_{3} \mathrm{H}_{6} & \text { (alkene) } \\ \text { D) } \mathrm{C}_{55} \mathrm{H}_{32} & \text { (alkane) } \\ \text { E) } \mathrm{C}_{18} \mathrm{H}_{39} & \text { (alkyne) }\end{array}$
13. (30)You may know the classics, but what about the classics of Science Fiction? For 5 pts. apiece I'll give you a title and you provide me with the author.
A) Starmaker Olaf Stapledon
B) The Star's My Destination Alfred Bester
C) Norstrilia Cordwainer Smith (Paul

## Linebarger)

D) Rocket Ship Galileokobert Heinlein
E) Stand on Zanzibar John Brunnex
F) I Sing the Body Electric
14. (30) Operation Barbarossa, the German invasion of the Soviet Union from 1941 to 1945, involved the bloodiest fighting the world has ever known. Answer the following questions about the campaign for 10 pts. each.
A) What major Russian city on the Karelian isthmus was besieged for over 900 days?

Leningrad
B) With over 2 million casualties, the battle for what major southern city was the bloodiest in world history?

Stalingrad
C) The German attempt to regain the momentum in 1943 centered on an attack on what Russian city near the Ukrainian border?

Kursk
15. (30) Identify the authors of the following literary works for 5 pts. apiece.
A) The House on the StrandDaphne du Maurier
B) Memoirs from the House of the Dead

Fyodor Doestoyevsky
C) A House of Gentlefolk

Ivan Turgenev
D) The House of Mirth
E) House of Incest
F) A House in the Uplands

Edith Wharton
Anais Nin ${ }^{x}$
Erskine Caldwell
16. (30) You're taking a tour of an organic chemistry laboratory. You notice that several of the odors in the air are quite familiar from products you use in your own home. I'll describe
what you are smelling and for 10 pts. each you give the organic chemical whose vapors you are most likely detecting.
A) smell of shoe polish
B) smell of model glue
C) smell of mothballs

Nitro-benzene $x$
Toluene
Naphthalene
17. (30) J.S. Bach's musical career has traditionally been
divided into three periods, named so after the towns wherein he lived during the times he composed certain works. The periods are the "Cother", "Weimar", and "Leipzig". For 10 pts. each, given a description of Bach's work during a certain period, name that period as one of the above three.
A) During this period Bach wrote the Brandenburg concerti, as well as the 24 preludes and fugues of the first book of the Well-Tempered Clavier.

Cother ${ }^{x}$
B) During this period, he wrote his great organ works and cantatas.

Weimar ${ }^{\chi}$
C) During this period, hs wrote the Italian Concerto, as well as the 24 preludes and fugues of the second book of the Well-Tempered Clavier.

Leipzig $\checkmark$
18. For 5 pts. each, or a total of 20 points, think back on all your favorite diseases and name the ones associated with a deficiency of the following $B$ vitamins.
A) $B_{1} \quad$ beriberi $x$
B) Niacin pellagra
C) $\mathrm{B}_{2}$ ariboflavinosis
D) $\mathrm{B}_{12}$ pernicious anemia $X$
19. (25) Here's a stream-of-consciousness literary bonus, although definitely not about streams of consciousness, and definitely harder paddling as you go up.
A) What opens "Of Arms and the man I sing" ?

Aeneid
B) Who wrote "Arms and the Man" ?
G.B.Shaw
C) What particular aspect of the English language did Shaw work all of life at changing?
spelling
D)Speaking of spelling, how do you spell synecdoche?
s-y-n-e-c-d-o-c-h-e
E) Of the expressions, "he took to the boards to make his fortune" (Became an actor)
"With how sad steps, O Moon, thou climbs't the skies"
and "he cried an ocean", which is an example of synecdoche?
the 1st
20. (30) Oral, Jim, Jerry and Jimmy are in the news now, but for 10 pts. apiece, answer these questions about other famous men of God.
A) What religious figure was the youngest winner of the Nobel Prize for Peace?

Martin Luther King, Jr.
B) What religious leader founded Rhode Island after being expelled from England for his religious beliefs?

Roger Williams
C) What major league baseball player became an evangelist after quitting baseball in 1890 ?

Billy Sunday

