## Questions by Craig Kelley, John Allen, and James Baker

1) Studying rhetoric under Aurelius Fuscus and Porcius Latro, he emigrated to Athens around 25 B.C., where he decided to become a poet. Writing his earliest fiction while serving as a Roman Quaestione, he compiled several mythological epistles in Heroides. However, his most daring work, a 15 part tome dealing with eroticism and mythical transfiguration, written in 8 A.D., forced Emperor Augustus to exile him to a fishing village on the Black Sea. FTP, name this mystical Augustan poet, author of Fasti, Medicamina Faciei, and Metamorphoses.
Answer - _Ovid_
2) The birthrate of stars, the fraction of stars with planets, the number of planets per solar system where life is capable and the fraction of those where life does arise are just 4 of the 7 variables that make up this equation. Multiplied together they reveal how many civilizations exist in the galaxy. FTP, give this equation named for the University of California professor of astronomy, known for establishing the predecessor of SETI, Project Ozma..
Answer - _Drake Equation_
3) Subtitled "My Friends Pictured Within", it characterizes 14 friends and relations, written during a time when the composer needed them most. A ballet of the same name tells the true story of after it was composed and sent to the famous Richter in hopes he would conduct the $1^{\text {st }}$ performance. As he waits for the response his friends, including "Nimrod", offer their support. FTP name this piece of music composed in 1898 by Sir Edward Elgar.
Answer - _Enigma Variations_ (prompt on variations)
4) The franchise that would become the New York Yankees played under this name in 1901. The team that currently plays under this name originated in Milwaukee in 1901 before moving to St. Louis in 1902 and becoming the Browns. The team left St. Louis in 1954 and changed to its current franchise title, under which it won the World Series in 1966, 1970, and 1983. FTP name this American League East team featuring (for the moment anyway) Cal Ripken Jr.
Baltimore Orioles prompt on Baltimore
5) They all made a pact in 1701 with their captain, by cutting a finger and joining hands, that they would avenge their master's death. After separating and engaging in unworthy conduct for two years, they had finally convinced the shogun that they had given up their burden of obligation to their daimyo Lord Asano. FTP name this Japanese incident-turned-legend of the "masterless samurai" who avenged their lord's death by beheading Lord Kira, also the play Homer and Bart take part in while in a Japanese prison.
Answer - The _Forty-Seven Ronin_
6) One of its principal rivers, the Dulce, connects Lake Izabel and Golfete and finally empties into the Bay of Amatique on the Caribbean coast at Livingston. Several mountain ranges include the Sierra Madre, which has the highest point Tajumulco Volcano, and the Cuchumatanes, which begin near its Mexican border. FTP name this central American republic, home to the Quiche people, which had gone through a 36 year civil war. Answer - _Guatemala_
7) They have a coordination number of twelve, an atomic packing factor of .74 and is the crystal structure for such metals as silver, platinum, copper and gold. To calculate the length of the unit cell wall, you take the atomic radius and multiply it by the square root of 2. FTP name this type of crystal structure, the most densely packed of the cubic kind.
Answer - Face Centered Cubic (acc. Hexagonal Close Packed before silver)
8) It includes the lines, "Is this the kirk? Is this the hill? Is this mine own country?" A wedding guest, a skeleton crew, and an albatross, hung by the title character around his neck, all figure prominently in this work, whose most often misquoted line is "Water, water everywhere, nor any drop to drink." FTP, what is this poem by Samuel Taylor Coleridge?
A: Rime Of The Ancient Mariner
9) They are inherited through the mother, and according to the endosymbiont theory they may have evolved separately and then been incorporated into more complex organisms. They contain folds called cristae, and also come with their own DNA separate from the rest of the cell. FTP, identify these cellular organelles, the sites of cellular respiration, sometimes called the powerhouses of the cell.
_mitochondria_(singular mitochondrion)
10) Born Nicholas Breakspear, he became Pope in 1154 where he held the position till his death four years later. During his reign as he entered into a conflict about Papal Supremacy with Frederick Barbarossa, which played a major part in the downfall of the Hohenstaufen Dynasty. It was also with his permission that Henry II of England invaded Ireland. FTP, name this Pope, the only Englishman ever to hold the position.
Answer -_Adrian IV_
11) The 1994 Nobel Memorial prize was given to three theorists in this area, Reinhard Selton, John Harsanyi and John Nash. Some basic concepts from it include Bonnie's Decision Tree, the Nash Equilibrium, Zero-Sum, and the Prisoners Dilemna, and it suffered a blow in 1995 with the death of A.W. Tucker. FTP name this combination of math and economics, developed nearly 50 years ago by Oskar Morgenstern and John von Neumann.
Answer -_Game Theory_
12) His 1661 book attacked the theories of four elements and of the three principles, which he countered with the idea that the properties of matter are controlled by the motion of primary particles. This gained the skeptical chemist much fame, and was elected president of the Royal Society in 1680, only to refuse the honor. FTP name this chemist whose eponymous law states that at constant temperature the volume of a gas in inversely proportional to pressure.
Answer - Robert _Boyle_
13) One memorable scene might be a duel with custard pies and guns in a creaky balloon and prop plane, while crossing the Harz Mountains in Germany. One of the men was Major Duane Marvy, the other, one of the more comic characters, dresses in a cape and opera helmet while searching across Occupied Europe for the secret rocket. The rocket carries an Aryan boy and is headed for the North Pole. FTP, name this post WWII Thomas Pynchon novel, featuring characters such as Captain Blicero and Tyrone Slothrop.
Answer - _Gravity's Rainbow_
14) As a young man he went on to preach racial harmony as a phony faith healer and tent revivalist, while running a monkey-selling business on the side. After spending a year in Brazil, he returned with $\$ 10,000$, used to start his $1^{\text {st }}$ Peoples Temple in Ukiah, California, later to move onto San Francisco. FTP name this man, who declared himself the reincarnation of Jesus and Lenin, who took many of his brainwashed followers to the jungles of Guyana, where a mass suicide took place in 1978.
Answer - Jim _Jones_
15) On the way to recovering buried loot, three fugitives run into a blind prophet, bankrobber George "Babyface" Nelson, a trio of sirens, and John Goodman as Polyphemus. After escaping from a chain gang, Everett Ulysses McGill leads his companions Delmar and Pete through 1930s Mississippi. As the Soggy Bottom Boys they make a hit with "Man of Constant Sorrow." Loosely based on Homer's Odyssey, all this takes place, FTP, in what recent Coen Brothers film starring Tim Blake Nelson, John Turturro, and George Clooney? _O Brother, Where Art Thou?
16) It represented in its first phase, an attempt to put into practice some of the principles of Transcendentalism and Socialism, and was led by George Ripley. It lasted until 1846, when a fire destroyed its main building, but found supporters in feminist Margaret Fuller, and Nathaniel Hawthorne, who based his The Blithedale Romance, upon the history of this experiment. FTP name this utopian community, established in 1841 in West Roxbury, Massachusetts.
Answer - _Brook Farm_
17) Its mast is the tree of life, and has a cooked chicken tied to it while a man in orange is climbing to cut it down. Its passengers are all drinking, flirting and playing silly games, while several swimmers foolishly want to take their place. It has no pilot or destination but no one seems to care as seen how the nun and monk in the center try to eat some bread dangling between them. FTP, name the titular vessel of a Heronymous Bosch painting, which is sadly representative of humanity.
Answer - The _Ship of Fools_
18) For the longest time artillery officers couldn't figure out why their shells were falling short. But in 1853, a German scientist investigated dynamics of a spinning body through a fluid and discovered that the spinning motion caused a force perpendicular to the line of motion by a special application of Bernoulli's principle. FTP name the scientist and you name the effect that causes golf balls to slice or hook and baseballs to curve. Answer - _Magnus_Effect (acc H.G. Magnus)
19) To make it you'll need unflavored gelatin, hot and cold water, granulated sugar, salt, lemon juice, lemon extract, and sifted confectioner's sugar. Introduced to England by explorer, writer and adventurer Richard Burton from the Arabic nations, it soon became a part of the Christmas tradition. FTP name this ancient sweet called rahat lokhoum, or "perfumed sweetness", used by the White Witch in the Chronicles of Narnia to bewitch the boy Edmund.
Answer - _Turkish Delight_
20) Born in Athens around the late $5^{\text {th }}$ century B.C.E, he was quick to become a disciple of Socrates. He regarded happiness as attainable only through virtue, denounced art and literature, and condemned luxury and comfort. He also taught his students at a gymnasium located right outside of Athens called the Cynosarges. FTP, name this teacher of Diogynes, and founder of the school of philosophy known as Cynisim.
Answer - _Antisthenes_
21. Felicien Rops, the Belgian painter, dies at the age of 65 . Shiga discovers the dysentery bacillus. Henry James publishes The Turn of the Screw, Toscanini appears at La Scala in Milan, Otto von Bismarck and William Gladstone die, and Tsarist Russia obtains a lease on Port Arthur, China. FTP, these events all took place during which year, which saw The War of the Worlds written while Spain received $\$ 20$ million, ceding four major territorial possessions to the United States as part of the Treaty of Paris?
Answer - 1898
22. Bach's Brandenburg Concerto No. 2; part of The Magic Flute; Senegalese drumming; a Navajo chant; 115 images ranging from a snowflake to a supermarket; the electrical activity of a woman's eyes, muscles, brain and heart; the song of the humpback whale; the sound of rain, and greetings in sixty languages. FTP these are all located on gold-plated copper records on what pair of spacecrafts launched in 1977.
Answer -_Voyager_( 1 \& 2)
23. In the far distant background on the left can be seen a large haystack, the only thing to rise above the horizon. Next to it is a cart, and a row of a people all dressed in white and bending downward. On the right can be seen a man on a horse and a nearby town. The three central figures are dressed all alike, except in different colored caps - blue, red and tan - with each of them bending toward the ground as they gather some hay, looking away from the viewer. FTP name this Barbizon painting by Jean-Francois Millet.
Answer - The _Gleaners_
24. He was lying by a river and had just caught a salmon when Loki, traveling along with Odin and Hoenir, threw a rock and killed him. To repay their stay at a farm later on, they offered him as dinner, not knowing he was actually the farmer's son. His brothers, angered by this overpowered the gods and only released them after Loki was able to pay his ransom. FTP name this brother of Regin and Fafnir, who could change shape to his namesake aquatic mammal, normally paired with sea lions at a Sea World attraction.
Answer - _Otter_ (acc. Otter's Ransom)
25. It has no land, no boundaries, and no passports - only people. There are no laws here, other than cosmic laws, and all the people living here are ambassadors of their country. Its international anthem is called Bring on the Lucie, and more information can be obtained from their Embassy at 1 White Street, New York, New York 10013, USA. FTP name this place, created by John Lennon in his 1973 Mind Games.
Answer -_Nutopia_

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1) Name the authors for 15 points each from a description of one their works, for 10 for that work's title, or for 5 if you need the title of other works.
a) [15] A young Catholic meets an enormous man in a dark room, and joins a secret police force to fight anarchism in turn of the century London. He infiltrates an anarchistic group that avoids detection by posing as amateurs.
[10] Then Man Who was Thursday.
[5] He also wrote a series of Father Brown detective series.
Answer-G.K. _Chesterton_
b) [15] A Princeton student accompanies a college buddy on a holiday trip to the American west where he discovers that his friend's father has a source of unlimited wealth buried under a mountain.
[10] A Diamond as Big as the Ritz.
[5] He also penned Babylon Revisited, The Last Tycoon, and This Side of Paradise
Answer - Francis Scott Key _Fitzgerald_
2) Identify the civil war general FTSNOP.
[5]After questioning the courage of his troops, this replacement of McClellen as
commander of the Army of the Potomac lost big to Lee at the $2^{\text {nd }}$ Battle of Bull Run.
Answer - John _Pope
[10]This Tennessee native was responsible for the massacre of surrendering black
troops at Fort Pillow, and after the war became involved with Ku Klux Klan.
Answer - Nathan Bedford _Forrest_
[15]He replaced Pope as commander of the Mississippi Army in 1862 and proved his
worth in the Union victory at Stones River, but was removed from command after his
embarrassing defeat at Chickamauga.
Answer - William S. _Rosecrans_
3) Identify these terms from thermoelectricity FTP each.
[10] Also called a thermoelectric thermometer, this device produces electricity when circuit composed of different conductors has its junctions maintained at different temperatures.
Answer - _Thermocouple_
[10] This effect explains the operation of a thermocouple and is named after the German physicist who discovered the effect n 1821.
Answer -_Seebeck_Effect
[10] The converse of the Seebeck, this effect explains the temperature difference created between the junctions of a circuit of different conductors when a current is set up in the loop. It was named after the French scientist who discovered it in 1834.
Answer -_Peltier_ Effect
4) Identify the actor given clues $30-20-10-5$
[30]Some of his early directorial works include Cannibal: The Musical, Your Studio and You, American History and For Goodness Sake II.
[20]He has starred in most of his films with such characters as Joe Young, Juan Schwartz/Alferd Packer, and Joseph R. Cooper.
[10]His most recent works include Writer/Producer of the new series That's My Bush and Sgt. Whiffleman in The Colored Star.
[5]Of course he is most famous for working with Matt Stone in creating the TV Series South Park.
Answer - Trey _Parker_
5) Identify the artists given some clues FTP each.
[10]This American sculptor of Scandinavian descent gained renown for his colossal sculptures, one of them being Mount Rushmore, which his son had to finish.
Answer - _Gutzon Borglum
[10] He took part in the $2^{\text {nd }} \bar{B}$ laue Reiter exhibition and taught at the Bauhaus school but is probably best known for his work the Twittering Machine.
Answer - Paul_Klee_ [CLAY]
[10] This post-impressionist abandoned his family and moved to Tahiti and is well known for the Yellow
Christ.
Answer - Paul _Gauguin_
6) Identify the $18^{\text {th }}$ century authors from a hard work for 10 , or 5 for an easier work.
[10] Roxana
[5] Moll Flanders
Answer - Daniel _Defoe_
[10] Joseph Andrews
[5] Tom Jones
Answer - Henry _Fielding_
[10] Sir Charles Grandison
[5] Pamela
Answer - Samuel _Richardson_
7) Given the clue identify the Chinese dynasty FTP each.
[5]Known for its "Spring, Autumn and Warring States Periods" this dynasty saw such great thinkers as Xun-Xi, Lao Tzu, and Confucious
Answer - _Zhou_[CHOW]
[10]This Dynasty saw the establishment of the Silk Road, the invention of the Seismograph and paper, and was separated into Eastern and Western halves by Wang Mang.
Answer -_Han_
[15]With its existence doubted by many historians, this Hereditary Dynasty established by Qi saw the
Legendary Yellow Emperor, and is wife Xiling Ji who supposedly discovered the silk worm and their love of mulberries.
Answer -_Xia_ [SHIA]
8) Identify these terms from Psychology FTSNOP.
[5]Score that indicates how an individual compares to others on an intelligence test. Answer - _Intelligence Quotient_ or I. Q._
[10]The inability to see new uses for familiar objects.
Answer - _Functional Fixedness
[15]Educated guesses or rules of thumb for solving problems that may lead to a quick solution or no solution at all.
Answer - _Heuristics_
9) Name the intellectual pioneer on a 30-20-10 basis.
[30] He came under fire from Soviet scientists for violating principles of dialectical materialism in such works as his development of hybrid resonance and empirical development of electronegativity.
[20] After studying under such notaries as Schrodinger and Niels Bohr, an application of quantum mechanics to covalent bonds won him the 1954 Nobel in Chemistry. His most widely known scientific assertion, though, is probably that large enough doses of vitamin C would cure the common cold.
[10] After publishing his book No More War in 1958, he brought a petition signed by over 10,000 scientists that helped end nuclear testing and won the Nobel in Peace in 1962.
Answer - Linus _Pauling_
10) Identify the building FTP each.
[10]Commissioned by the Sultan Ahmet around 1610 AD , and located in Istanbul, it consists of a domed nearly square central building with an adjacent arcarad courtyard, and its name came from the patterned painting of its tile work and interior calligraphy.
Answer - The _Blue Mosque_
[10]Built by King Suryavarman II in the $12^{\text {th }}$ century, this mausoleum was meant to ensure the immortality of the king and to celebrate the Vishnu cult, and whose central building consists of a 3 stepped pyramid.
Answer - _Angkor Wat_
[10]Due to the unforeseen brevity of the "1000-year Reich" this building was never started on, but was designed to force observers into submission with its domed chamber designed to hold 200,000, and a height from floor to top of dome of 1,050 feet.
Answer - The _Great Hall of the People_
11) How well do you know your weapons of the Ninja. Given a weapon and a small description identify whether it falls under Sword, Cleated, Fistload, or Firearm FTSNOP.
[5] Adapted from the European harquebus, this weapon became better known as Tanegashima, named after the island they were introduced.
Answer - _Firearm_
[5] These types of weapons were usually drawn from a saya, and because such a high emphasis was placed on them an entire art iaido was created purely for drawing them.
Answer - _Sword
[10] Because of the ring attacked to it, the Shobo is one of the most versatile weapons of the ninja.
Answer - _Fistload
[10] Used almost exclusively by the kunoichi, or female ninja, the neko-te were used to scrape or gouge out the eyes in quick slashes.
Answer - _Cleated
12) 30-20-10 Identify the play given quotes.
[30] "I can do you blood and love without the rhetoric, and I can do you blood and rhetoric without the love, and I can do you all three concurrent or consecutive, but I can't do you love and rhetoric without the blood." [20] "The Law of averages, If I have got this right, means that if six monkeys were thrown up in the air for long enough they would land on their tails about as often as they would land on their" "Heads"
[10] "We could play at questions." "What good would that do?" "Practice" "Statement! One - love."
Answer -_Rosencrantz and Guildenstern are Dead _
13) Identify the scientific principle or theory given a description FTP each.
[10] Discovered by Physicist Peter Kapitza in 1937 and John Frank Allen in 1938 this is a property of liquid Helium at low temperatures in which it flows without friction.
Answer - _Superfluidity
[10] $1^{\text {st }}$ discovered in Mercury in 1911, it was explained by BCS theory in 1957 and is the absence of measurable electrical resistance in substances close to zero Kelvin.
Answer -_Superconductivity_
[10]Observed with atoms of Rubidium and Lithium, this phenomenon in a system of bosons at low temperature where a number of them occupy a single quantum state can sometimes take several thousand atoms and form a superatom.
Answer - _Bose-Einstein Condensation_
14) Time for a geography bonus. Identify the location given some hints FTP each.
[10]With a canyon darting along the coastline, both produced by single fault in the underlying limestone bedrock, this country lies right off of the Arabian Sea.
Answer - _Oman_
[10]This Island hosts the extinct volcano Diamond Head, adjacent to Waikiki Beach, and the Punchbowl Cemetery.
Answer - _Honolulu_(do not prompt on Hawaii)
[10]This Russian Peninsula is a very volcanic area and includes terraces cut by the winding Tigris River.
Answer - _Kamchatka_Peninsula
15) You just have to enjoy watching claymation figures tear each other to pieces. Given their lead in on

Celebrity Deathmatch, you name the combatants F5P each.
[10] Which Italian icon will say "arrivederci" for good?
Answers - _Mussolini_ vs. Roberto _Benigni_
[10] What will happen when a heathen hell-raiser hassles it out with a poor, underfed peacemaker?
Answers -_Genghis Khan_ vs. Mahatma _Gandhi_
[10] Can one Ice put the freeze on the other?
Answers - _Ice T_ vs. _Ice Cube_
16) What Craig pack would be complete without a question on Popes? If you can identify them on their birthname you get 10 . If you need a hopefully easier clue, only 5 .
[10[Giuliano della Rovere
[5]Also known as the Warrior Pope
Answer - _Julius II_
[10]Giovanni de' Medici
[5] ${ }^{\text {st }}$ Medici Pope and painted by Raphael
Answer -_Leo X_
[10]Angelo Roncalli
[5] He opened the way to major Church reforms in the 1960's with the freewheeling discussions of Vatican II. Answer - _John XXIII_
17) Like horror stories? Identify the story in this category FTP each.
[10] The narrator, nearly a victim of the Inquisition, is rescued at the last minute after avoiding rats and escaping an enormous oscillating blade, all while trapped in the darkest of dungeons.
Answer - _The Pit and the Pendulum_
[10] An H.P. Lovecraft masterpiece about a man who is strangely drawn to a spot in the sea where he meets a monster that evokes "simultaneous pictures of an octopus, a dragon, and a human caricature" which had been mentioned in his uncle's writings.
Answer - _The Call of Cthulhu _
[10] A man suffers under emotional and psychological stress, typified by the heavy beating of his heart, and confesses to a crime.
Answer - _The Tell-Tale Heart_
18) Name that edict FTSNOP:

Passed in 1598, it was revoked in 1685, much to the dismay of French Huguenots. Answer - _Edict of Nantes _ [10]Passed by Emperor Galerius in 311 C.E., it essentially allowed for all Christians
within the Roman Emperor to practice their religion freely.
Answer - _Edict of Toleration_
[15]According to Douglas Adams, it runs..."Never do more work than is required. Never do more additional work in an attempt to make your work easier..."
Answer - _Edict of Laziness_
19) Don't you wish you paid more attention in astronomy class? Given the month, you give the name of the meteor shower, F5PE.
[5] Early January - Quadrantids
[5] Early May - Eta Aquarids
[5] Mid August - Perseids
[5] Late October - Orionids
[5] Mid December - Geminids
[5] Mid November - Leonids
20) Given one of the last lines from a famous work or speech, identify the speaker or author for 15 , and FTSNOP if you need the title.
[15] "And I pray you, Mr. Comptroller, Mr. Secretary, and you of my council, that before these gentlemen depart into their counties, you bring them all to kiss my hand."
[10] The Golden Speech of 1601
Answer - Queen _Elizabeth I_
[15] "...the Emperor Charles should so much the more have a right to issue a law for all Germany on the day after his coronation that in future no livings and benefices are to fall by Rome by virtue of the Pope's month, but those that have so fallen are to be freed and taken from the Romish robbers."
[5] Address to the Christian Nobility of the German Nation
Answer - Martin _Luther_
21) Identify the artwork $30-20-10-5$
[30] Once called the Garden of the Hesperides, on the far left can be seen a young man with a sword..
[20] On the far right Zephyris is seen next to a woman covered in vines.
[10] The fates seem to be dancing a little off to the left, while in the background, Venus watches on.
[5] It was painted by Botticelli.
Answer - _La Primavera_or The _Allegory of Spring_
22. You like particle physics? Well I do, so given the description you identify the device FTP each. If you've read my buzz-sheet you'll get all 30 .
[10] Invented by D.A. Glaser, it contains liquid kept slightly above boiling point at pressure high enough to prevent boiling. Right before the passage of ionizing particles the pressure is reduced causing the particles, like neutrinos, to be photographed.
Answer - _Bubble Chamber_
[10] A row of alcohol-soaked strips is placed on top of a container while the bottom is cooled by solid $\mathrm{CO}_{2}$. Vapor diffuses downward with a center continuously sensitive to the presence of ions made by radiation.
Answer - _Diffusion Cloud Chamber_
[10] Similar to the Diffusion Cloud Chamber, this container has air and ethanol cooled suddenly by adiabatic expansion, hence the name, causing vapor to become supersaturated. The excess moisture is deposited in drops on tracks of ions created by the ionizing radiation.
Answer - Wilson _Expansion Cloud Chamber_
23. Livestock seem to hold some pretty important positions in mythology. Answer these questions FTPE:
[10] This She-goat was the one who nursed Zeus on top of Mt. Ida.
Answer - _Amalthea
[10] This giant cow from Norse myth, freed Bori by licking him free of ice.
Answer -_Audhumla_
[10] Odin's goat, from whose udders was a never-ending supply of mead.
Answer - _Heidrun_

