

Questions by Emory with Ray Anderson and your genial quizmaster

1. (CS) In ancient Rome, bodyguards had rules different from Kevin Costner's: Rule #1 -- When the boss dies, claim the throne. This commander of the imperial bodyguards was proclaimed Emperor by his troops upon the death of Numerianus. Rule #2: Share the throne; this emperor did so first with Maximian, then with 2 more junior emperors, Galerius and Constantius I. Rule #3: Stick it to the Christians; he launched the Great Persecution in A.D. 303. FTP name this emperor from 284 to 305, who then stepped down before his bodyguards got any bright ideas.

Answer: Diocletian

2. (E) He often used calabashes, to store the world's wisdom and to capture the Hornets Who Sting Like Fire with the help of his wife Aso on his way to becoming King of All Stories. He was fooled while trying to steal food when, while trying to fight a tar-baby, he instead became stuck to it. Used as a spirit of rebellion in Jamaican folklore, he is the son of the sky god Nyame and the earth goddess Asase Ya in Ashanti folklore. Often depicted as a spider, FTP, name this West African trickster god.

Answer: Anansi

3. (E) Thought of as inheriting from medieval art forms, this style found its true home in Germany. First surfacing in the artistic literature of the early twentieth century, this term denotes an artistic style that attempts not to depict objective reality, but rather the subjective emotions and responses that objects and events arouse in the artist. Adherents include Max Beckmann, Otto Dix, Alfred Kubin, and Ernst Ludwig Kirchner. FTP, name this artistic style that employs intense color, agitated brushstrokes, and disjointed space, thereby distorting and exaggerating reality for emotional effect.

Answer: Expressionism

4. (E) Of the 36 components of the stiffness matrix, only 21 are independent in the three-dimensional case of this law. The materials to which this law applies are called conservative or linear-elastic, and then only to the elastic limit. This law generally states that stress is directly proportional to strain. Often written $F = -kx$ [F equals negative k x], FTP name this law of physics relating the distance of elongation and force constant to the restoring force of a spring.

Answer: Hooke's Law

5. (CS) The term "comedy" only applies loosely in this case. The comic foil Cloten gets beheaded in the 4th act, always a laugh riot, especially since it drives his mother mad. One of the more sympathetic characters has been living in a cave for 20 years with two boys he kidnapped. Even the name of the young male lead is a downer -- Posthumus. And don't forget those wacky cut-ups, the Roman Legion, and their rollicking invasion of Britain. FTP name this alleged comedy by William Shakespeare.

Answer: Cymbeline

6. (CS) Truly a hockey puck of history, it was subjugated by the Teutonic Knights in the early 13th century, then taken by the Poles in the late 1500's. In 1629 Sweden took control of the southern portion, Livonia, but Russia got it in the early 1700's and by 1795 had also wrested the northern portion from Poland. In 1918 the Bolsheviks ceded it to the Germans; when the treaty was abrogated, this country declared its independence. First they had to let the Germans drive the Bolsheviks out, then in late 1919 they defeated the Germans with British help. Are you still with me? Their freedom lasted 21 years before occupations by the Soviets, then the Germans, then the Soviets again. FTP name this mostly Lutheran country, independent again (for now), whose capital is Riga.

Answer: Latvia

7. (RA) Examples of them include cyanide, carbon monoxide, ammonia, fluoride, azide, hydroxide, sulfide, and thiocyanate. The denticity of one defines the number of coordination sites to which it can bond, and ones that bond to more than one site are called chelating. FTP, what chemical group consists of one or more ions or molecules that donates or shares electrons via a coordinate covalent bond or a covalent bond to a central atom which is usually a metal or metalloid?

Answer: Ligands

8. (E) This case's basic interpretation held until the 1895 Sugar Trust Case dealing with the Sherman Anti-Trust Act. Justice Marshall's unanimous opinion upheld the supremacy of federal power within its enumerated sphere. Daniel Webster's argument for the plaintiff succeeded in overturning the steamboat monopoly between New York and New Jersey. FTP, name the 1824 Supreme Court case that denied the right of states to regulate interstate commerce.

Answer: Gibbons v. Ogden

9. (E) His difficult writing style includes page-long sentences, lack of quotation marks to signify dialogue, and, in *The Cave*, abandoning the use of proper nouns. His membership in the Communist Party and professed atheism created controversy after the publication of *The Gospel According to Jesus Christ*, an example of his style of attributing human causes to historical events. First gaining fame with *Baltasar and Blimunda*, FTP, name the Portuguese 1998 Nobel Laureate for Literature best known for *The Death of Ricardo Reis* and *The Stone Raft*.

Answer: Jose Saramago

10. (E) Noncommutative examples include square matrices over any field, and an example without a multiplicative identity is the even integers. Dedekind introduced this concept, though Hilbert provided its current name and Noether provided the axiomatic definition. The kernel of any homomorphism between these is called an ideal. Subtypes of them include integral domains and Euclidean domains. Including the integers and rational numbers but not the natural numbers, FTP name the algebraic structure with addition and multiplication.

Answer: Ring

11. (E) Hildebert de Savardin coined this term in 1079, but the process described has roots in I Corinthians. John's insistence upon its importance led many of his disciples to leave him. In *Mysterium Fydei*, Pope Paul VI explicitly rejected the claim that this was only symbolic. Officially canonized in the Council of Trent and also known in Catholicism as the doctrine of "real presence," FTP, name the process, the "change of the substance" of bread and wine into the body and blood of Christ.

Answer: Transubstantiation

12. (E) Composed of 4 arms and 3 loops with a possible variable loop, this molecule's structure is similar in all organisms - sometimes cells are even interchangeable among organisms. A recent study links a defect in a gene dealing with this molecule in the mitochondria to heart disease and stroke. Transcribed by RNA polymerase III, FTP, name the molecule that recognizes codons in mRNA and brings amino acids to the ribosome.

Answer: tRNA or Transfer RNA

13. (E) The current chair of the Group of Thirty, his recent stint as director of the United Nations Association of the United States of America is less well-known than some other work for the UN. Previously, as under-secretary of the Treasury under Nixon and Ford, he supported the suspension of gold convertibility. His more recent UN work produced a report criticizing Cotecna Inspection and Kojo Annan in the Oil-for Food scandal. Credited with ending stagflation, FTP name this Chairman of the Federal Reserve under Carter and Reagan.

Answer: Paul Volcker

14. (E) Upon this book's release, Richard Green claimed to be the basis for the main character, lending the novel a veneer of truth that lasted until the 1930s. Critics claim that the narrator's style is too sophisticated to reflect the common sailor and that this novel furthers the myth of the noble savage. Dealing with the identity crisis and adventures of Tommo or Toby in Polynesia, FTP, name this first novel by Herman Melville.

Answer: Typee: A Peep at Polynesian Life

15. (E) Their creation was formally approved by Pope Sixtus V, but in 1902 Pope Leo XIII banned their use in church music. This was not a revolutionary move, as their creation was almost universally outlawed by 1870. Because of their absence, some Baroque operas are unperformable. The process associated with them prevents the development of the larynx. Intended to preserve the prepubescent vocal range, FTP, give the term for a male singer with a female vocal range, created by the removal of the testes.

Answer: Castrati (accept Castrato)

16. (E) His distinction between organic and mechanical solidarity reversed previous theories about the evolution of societies. He also distinguished between the rituals of religion and the system of common beliefs, which he found crucial. Credited with the acceptance of sociology as a science, he used empirical methods to test his theories and created sociological functionalism. He theorized that rapid social change produced increased impersonality and confusion as to norms, leading to deviant behavior and anomie. FTP, name this sociologist and author of *Suicide*.

Answer: Emile **Durkheim**

17. (E) Dr. Gregory House watches this show on mute. The main characters hang out at The Planet, which is originally owned by Marina, but bought in Season 2 by Kit, played by Pam Grier. Alice keeps "the Chart" showing the interconnections of the various romantic encounters of all of the characters. Bette and Tina spend much of Season 1 trying to have a baby, but by the end of Season 3, a mix-up with lawyers causes Bette to kidnap Angelica. Also covering the lives of Carmen, Dana, Shane, and Jenny, FTP, name this Showtime television show about lesbians.

Answer: The **L Word**

18. (E) This leader was arrested and tried in between two nonconsecutive terms of office, but the conviction was ultimately voided by the nation's Supreme Court. The middle generation of a family of leaders that filled their nation's top office for 38 out of 52 years, this Prime Minister suppressed rebellion by the Maoist Naxalites, oversaw the Green Revolution, and conducted the Smiling Buddha nuclear test. Assassinated in 1984 by her own Sikh bodyguards, FTP, name this Prime Minister of India.

Answer: **Indira Gandhi** [prompt on Gandhi]

19. (CS) It's not the Pledge of Allegiance, but it first appeared in the magazine *Youth's Companion*. That version, published in 1902, gave the protagonist a name (Tom Vincent), omitted the dog, and allowed Vincent to survive with badly scarred hands. The 1908 version, the one we know today, shifts the location from Paul Creek to Henderson Creek and allows the more realistic conclusion of death by freezing. FTP name this short story by Jack London which describes the protagonist's unsuccessful attempts to achieve the title.

Answer: **To Build a Fire**

20. (RA) This type of rock usually contains a large amount of plagioclase feldspar, pyroxene, or olivine. Relative to other igneous rocks, it is enriched in magnesium oxide and calcium oxide and depleted in silicon, sodium, and potassium oxides while important trace minerals such as magnetite give it a strong magnetic signature. It is the primary rock on the surface of the lunar mare, and famous columnar examples of this rock include the Devil's Postpile and the Giant's Causeway. FTP, name this very common black or gray rock that is often found formed from lava flows due to rapid cooling.

Answer: **Basalt**

21. (E) In topology, this adjective describes a filter that establishes the independence of propositions in formal theories. In grammar, this mood is used to make comments about a class of things. In computer science, this type of programming means that the same source code will be used regardless of the type of data used. FTP, name this adjective that, in pharmacology, refers to equivalents of name-brand drugs.

Answer: **Generic**

22. (CS) This author's earlier novels, such as *Valentine*, *Indiana*, and *Lelia*, were unabashedly romantic and sentimental. But her focus turned to problems of social justice in *Consuelo*, *He and She*, and *The Marquis of Villemer*. FTP name this French novelist, perhaps better remembered for the company she kept, including Alfred du Musset and Frederic Chopin.

Answer: George **Sand**; accept Amandine-Aurore-Lucie **Dupin**

23. (CS) His differences with the conservative George Meany led him to bolt from the AFL-CIO and form (along with the Teamsters) the short-lived Alliance for Labor Action. He had played a major role in the 1955 AFL-CIO merger. As founding president of UAW Local 174 he led the first of their highly successful sit-down strikes in 1936, for which he was severely beaten by detectives paid by Ford. FTP name the President of the United Auto Workers from 1946 to 1970.

Answer: Walter **Reuther**

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1. (E/CS) Identify the following fundamental bosons from physics FTSNOP:

(10) These vector bosons carry the strong force and have spin 1.

Answer: **Gluons**

(5+5) These two particles discovered at CERN mediate the weak force. One, which exists in positive and negative forms, is named after the force, while the other is named due to its lack of charge.

Answer: **W** and **Z** particles

(10) This particle is the fundamental component of light and other forms of electromagnetic radiation. Unlike the other gauge bosons, it has zero invariant mass.

Answer: **photon** [accept **light quantum**]

2. (E/CS) Given a First Lady who was... well, not exactly typical, name the President FTPE:

(10) Ida, who was pathologically clingy due to severe depression and prone to epileptic convulsions

Answer: William **McKinley**

(10) Mary, considered marginally sane and widely disliked due to rumors that she was a spy

Answer: Abraham **Lincoln**

(10) Frances, who was so pretty and popular that hardly anyone asked why the President was marrying a 21-year-old for whom he'd been an unofficial guardian for a decade.

Answer: Grover **Cleveland**

3. (CS) Name these 19th century British novels from characters FTPE; if you need the author, you'll get only 5 pts.:

10) Adela Varens, Edward Rochester

5) Charlotte Bronte

Answer: **Jane Eyre**

10) Mr. Bumble, Mr. Brownlow, Bill Sikes, Fagin

5) Charles Dickens

Answer: **Oliver Twist**

10) Catherine Morland, Henry Tilney

5) Jane Austen

Answer: **Northanger Abbey**

4. (E) FTPE Name the artist within the impressionist movement that painted each of the following.

(10) *Impression: Sunrise*

Answer: Claude **Monet**

(10) *Fin d'arabesque*

Answer: Edgar **Degas**

(10) *Red Roofs* and *The Boulevard Montmatre at Night*

Answer: Camille **Pissarro**

5. (CS) Maybe you know the all-time record holders in major league baseball in most major lifetime categories. But what about the guy in second? I'll name the record and its holder; 5-10-20-30, tell who currently sits in second place:

(a) RBI, Hank Aaron.

Answer: Babe **Ruth**

(b) Career batting average, Ty Cobb

Answer: Rogers **Hornsby**

(c) Strikeouts, Nolan Ryan.

Answer: Roger **Clemens**

6. (E) FTPE, Name the philosopher of each work.

(10) *The Republic*

Answer: **Plato**

(10) *Of Grammatology*

Answer: Jacques **Derrida**

(10) *Consolatio Philosophiae* or *The Consolation of Philosophy*

Answer: **Boethius**

7. (E) Given a relation R, identify the following properties FTPE:

(10) xRx (read: ex are ex), or every element is related to itself.

Answer: **Reflexive**

(10) xRy implies yRx (ex are why implies why are ex)

Answer: **Symmetric**

(10) Every two elements are related to each other. Formally, for all x and y, xRy or yRx or both.

Answer: **Total**

8. (E) FTPE name the treaty given the year and the war that it ended.

(10) 1648; ends the Thirty Years' War

Answer: Treaty (or Peace) of **Westphalia**

(10) 1713; ends the War of the Spanish Succession

Answer: Peace (or Treaty) of **Utrecht**

(10) 1668; ends the War of Devolution between Louis XIV of France and Hapsburg Spain

Answer: Treaty (or Peace, I guess, though I've never heard it called that) of **Aix-la-Chapelle**

9. (E) Identify the following Greek tragedies FTPE:

(10) This middle Theban play by Sophocles centers on the hubris of Creon and the rebellion of the titular daughter of Oedipus.

Answer: **Antigone**

(10) This Aeschylus play depicts Power, Violence, and Hephaestus chaining the titular character to a mountain, where he then meets the wandering Io.

Answer: **Prometheus Bound**

(10) This Euripides play depicts the successful switching of the title character with a deer to prevent her sacrifice by Agamemnon and Calchas.

Answer: **Iphigenia at Aulis**

10.(CS) This question dates back to 1993, when Charlie became a father. FTPE give the terms associated with childbirth:

(a) There are actually two of these unfused areas, commonly called "soft spots", in an infant's skull.

Answer: **fontanel**s

(b) Since few of them have livers ready to process all their bilirubin right away, more than half of all newborns have a touch of this condition, characterized by a yellowish skin color.

Answer: **jaundice**; accept icterus

(c) This is an incision made in the mother's perineum to widen the birth opening. Owie, owie, owie. [like Ow!]

Answer: **episiotomy**

11. (CS) For 10 pts. each, name these key figures in the American West, each of whom died in the year 1909:

(a) This Yale-educated painter and sculptor was the premier illustrator of the vanishing frontier. His books include *Pony Tracks*, *Crooked Trails*, & *The Way of the Indian*.

Answer: Frederic **Remington**

(b) In his later years he took up ranching and made a guest appearance at the 1904 World's Fair in St. Louis. For 9 years this Chiricahua Apache chief led effective raiding parties and evaded capture.

Answer: **Geronimo**

(c) He rose from Wall St. office boy to become director of the Union Pacific and Southern Pacific Railroads. His battle for control of the Northern Pacific in 1901 triggered a stock market panic.

Answer: E.H. **Harriman**

12. (E) 5-10-15 Name the economist from works
(5) *The Lexus and the Olive Tree* and *The World Is Flat*

Answer: Thomas **Friedman**

(10) *How to Pay for the War* and *The Economic Consequences of the Peace*

Answer: John Maynard **Keynes**

(15) *The Principles of Political Economy and Taxation*

Answer: David **Ricardo**

13. (E) FTPE name the law of chemistry.

(10) What law states that the amount of heat needed to change one substance to another depends on the substances and not on the reactions involved?

Answer: **Hess's Law**

(10) What law states that 'All individual chemical substances have constant quality and quantity composition and definite chemical structure and does not depend on how this substance was prepared.'?

Answer: Law of **Constant Composition**

(10) Equal volumes of all gases at the same conditions (temperature, pressure) contain the same number of molecules.

Answer: **Avogadro's Law**

14. (E) Name the 20th Century Latin American author FTPE:

(10) This prolific Mexican author's novels include *The Old Gringo* and *The Death of Artemio Cruz*.

Answer: Carlos **Fuentes**

(10) This Argentine author of "El Aleph" and other short stories is well-known for works that blend fiction and non-fiction as well as citing nonexistent sources.

Answer: Jorge Louis **Borges**

(10) This author of the Argentine national poem "Martin Fierro" strongly opposed Sarmiento's Europeanization.

Answer: Jose **Hernandez**

15. (CS) For 5 pts. each, name the Russian composers of the following:

(a) "Song of India" and *Scheherezade*

Answer: Nikolai **Rimsky-Korsakov**

(b) "Polovetzian Dances" and "On the Steppes of Central Asia"

Answer: Alexander **Borodin**

(c) "Sabre Dance"

Answer: Aram **Khachaturian**

16. (CS) Name this city, 30-20-10:

(30) It was founded in 1874 in an unusual fashion: when a major railroad route passed too far away, the entire population of Millertown moved to this location beside the railroad line.

(20) It lent its name to the 1st and only comedy miniseries, featuring Carol Burnett and Dabney Coleman as barons of rival raisin dynasties – fitting since it is home to the world's largest dried fruit packing plant, Sun Maid..

(10) The seat of the county with the U.S.'s greatest annual agricultural production, this city in the heart of the San Joaquin Valley has a historically strong Armenian ethnic presence.

Answer: **Fresno**

17. (CS) Scroll through a list of MacArthur "genius grants", and you'll be surprised how many names you recognize. FTPE name these African-American novelists among the MacArthur fellows:

(a) This Louisiana author's works include *The Autobiography of Miss Jane Pittman* and *A Gathering of Old Men*

Answer: Ernest **Gaines**

(b) Rare among science fiction authors for either her race or her sex, this author of *Kindred* won a 2000 Nebula award for *The Parable of the Talents*.

Answer: Octavia **Butler**

(c) Highly critical of his hometown – Chattanooga – this author of *Mumbo Jumbo* and *Yellow Back Radio Broke-Down* was cofounder of the East Village Other

Answer: Ishmael **Reed**

18. (E) Due to this packet being due on Yom Kippur, identify the following Jewish holidays FTPE, none of which is mentioned in the lead-in:
- (10) Commemorating the date the Torah was given at Mount Sinai, it is called the Feast of Weeks in the Torah.
Answer: **Shavuot** or **Shavuos**
- (10) Commemorating the Jews' escape from Egypt in Exodus, this holiday is often associated with the matzoh Jews have to eat instead of leavened bread.
Answer: **Passover** or **Pesach**
- (10) Also a name for Rosh Hashanah, this day of remembrance celebrates members of the Israeli Defense forces who perished in the Israeli-Arab conflict. It is not mentioned in the Torah.
Answer: **Yom Hazikaron**
19. (E) FTPE name the scientist credited with the discovery of each element:
- (10) Hydrogen
Answer: Henry **Cavendish**
- (10) Barium
Answer: Sir Humphry **Davy**
- (10) Nitrogen
Answer: Daniel **Rutherford**
20. (E) Identify the long-lasting post-independence African leaders from clues FTPE:
- (10) The first post-independence President of Tanzania, during his term from 1965 to 1984 he retired instead of leading Tanzania with a capitalist economy.
Answer: Julius **Nyerere**
- (10) The post-independence King of Swaziland, this son of Ngwane V officially ruled from 1921 until 1983.
Answer: **Sobhuza II**
- (10) His first post in post-independence Gabon was minister of information, then he became vice-president. Upon the 1968 death of Leon M'Ba, he took power and still rules.
Answer: Omar **Bongo**
21. (CS) FTPE name these Middle Eastern dynasties:
- (a) This Persian dynasty lasted from 1501, when it was founded by Ismail I, to 1736, when Abbas III was overthrown by the aptly-named Nadir Shah. At its peak under Abbas I this Shi'ite dynasty defeated Turkey and ended Portuguese encroachment.
Answer: **Safavids**
- (b) Following the 4 Rightly Guided Caliphs, the caliph Hasan was deposed by Muawiya in 661; the dynasty he founded ruled until 750, and a surviving offshoot ruled in Spain for another 281 years. Its legitimacy is still denied by the Shi'ites.
Answer: **Umayyads** or Omayyads
- (c) Established by Abu Muslim's revolt in 750, it ruled the Empire of the Caliphate until it fell to the Mongols in 1258. It moved the capital from Damascus to Baghdad; notable caliphs included al-Mamun and Harun al-Rashid.
Answer: **Abbasids**
22. (CS) FTPE name the authors of these anthropological works:
- (a) *Coming of Age in Samoa*
Answer: Margaret **Mead**
- (b) *The Chrysanthemum & the Sword*
Answer: Ruth **Benedict**
- (c) *Yanomamo: The Fierce People*
Answer: Napoleon **Chagnon**