

Questions on the Crum VIII, 1999  
Tossups by the George Washington University

1. English derives the words “chocolate” and “ocelot” from this language, which was written using glyphs which, unlike their Egyptian and Chinese counterparts, bear a fairly strong resemblance to the objects they describe. Among its best known texts are an account of the apparition of the Virgin of Guadalupe and the Tale of Quetzalcoatl, and many North American place-names bear the mark of it, notably Acapulco and, of course, Mexico. For ten points, name this language of the Aztecs.

Answer: Nahuatl

2. A Cambridge graduate, he received a Master’s Degree from Pembroke Hall after studying at the Merchant Taylor’s School. Two years later, he became secretary to the Bishop of Rochester and shortly thereafter began his first major publication, the anonymously-printed ‘Shepherds’ Calendar. By 1589, he was appearing in the court of Queen Elizabeth I, in the same year he began publishing his massive, unfinished tribute to her. For ten points, name this author of ‘The Faerie Queen.

Answer: Edmund Spenser

3. It was resurrected at the Crimea conference in 1945, after having vanished in the brief Russo-Polish war of 1919. It extended south from Grodno just past Bialystok and through Brest-Litovsk before following the Bug River to Sokoly and cutting across to the Carpathian mountains. The Soviets wanted it set further west, and the Polish government in London demanded the city of Lvov, but this line still exists with only minor adjustments to this day. For ten points, name this eastern border of Poland, named for the British lord who proposed it at the Versailles peace conference.

Answer: The Curzon Line

4. It is the process of mass-producing silicon carbide, as well as one method of dyeing fabric. It only happens to bromine at low temperatures, but it is the only way to make sal ammoniac, when it happens at high temperatures as fumes crystalize without passing through a liquid phase. It also happens the other way around, as dry ice reverts to gaseous carbon dioxide. For ten points, what is this term, also found in Freud, that describes the process by which ice cubes shrink in the freezer?

Answer: sublimation (do not accept deposition or crystallization)

5. Charles M. “Buggy” Bergstresser’s name was too long to include in the name of the company he helped found, robbing him of immortality. When his partners’ invention was unveiled on May 26, 1896, it at first appeared irregularly, but was picked up on October 7th by the Wall Street Journal. In 1929 a utility average was introduced, and in 1970 the railroad index became the transportation index, but since 1928 it has tracked the same number of stocks. For ten points, name this market indicator which is no longer entirely industrial nor an average.

Answer: The Dow Jones Industrial Average

6. Ethical calculus allows a “children’s creche,” while “eudaimonia” brings fulfillment and peace to all citizens. Computerized city governors represent a significant improvement over the “auto-

build" feature in its predecessor, but in many ways this game is just another upgrade. One of two products from new software company Firaxis, the other being the creator's \_Gettysburg\_, to many players it is the long-awaited \_Civilization III\_. For ten points, name this game by Sid Meier, which takes place in the star system closest to the sun.

Answer: Sid Meier's \_Alpha Centauri\_

7. Supposedly, the first of this name brought the Ark of the Covenant from Jerusalem to Axum. Much later, the second of the name defeated the Italians at Adowa in 1896 and thus maintained his country's independence; like his supposed ancestor, he claimed descent from King Solomon and the queen of Sheba, whose descendants were thus thought to have ruled Ethiopia into the twentieth century. For ten points, identify this family name, which ended with the reign of emperor Haile Selassie.

Answer: \_Menelik\_

8. Its subject is "bragging and laughing," "under the smoke" and "under the terrible burden of destiny." "Bareheaded, shoveling, wrecking, planning, building, breaking, rebuilding." The narrator sees "the marks of wanton hunger" on the faces of women and children, but also admires the subject's status as "tool maker" and "stacker of wheat." The subject is, for ten points, also the name of this Carl Sandburg work, "hog butcher of the world" and a large Midwestern city.

Answer: \_Chicago\_

9. The Pauli exclusion principle states that particles with half-integer spins cannot occupy the same quantum state. Photons, having whole integer spins, can, and that's why a laser works. Individual protons and neutrons can't, but counterintuitively, some atomic nuclei can, allowing the creation of, for ten points, this material state, a coherent wave-particle of atoms, first produced artificially in 1998 but long before predicted by the Indian physicist who lent his name to a class of particles, and the pacifist discoverer of relativity.

Answer: The \_Bose-Einstein Condensate\_

10. Its librettist's original plan was to write a puppet show on the Oriental tale of Lulu, but he eventually decided to reproduce Masonic ceremonies in the plot and to make the setting Egypt, where Freemasonry supposedly originated. The hero's sidekick, a bird-man, sings "Eine Maedchen oder Weibchen," but the evil Queen of Night, a high soprano, steals the show with her aria. For ten points, name this Mozart opera, featuring Pamina, Tamino, and the title musical instrument.

Answer: The \_Magic Flute\_ or \_Die Zauberfloete\_

11. One of many victims of rape by Zeus, this Arcadian nymph was approached by the god in the form of Artemis. She bore him Arcas, from whose name the word "arctic" is derived in reference to his position in the sky. She is herself remembered twice in the heavens, once in the constellation Ursa Major, as she and Arctas both were turned into bears, and again as the second-biggest moon of Jupiter. For ten points, name this mythological woman.

Answer: \_Callisto\_

12. Among the islands in its territory are the Aldabra, Farquhar, and Desroches groups, in addition to Mahe, Praslin, and La Digue. First visited by the English in 1609, it was French until the Congress of Vienna, and its people speak both languages, as well as the Creole Seselwa. Cinnamon and coconuts grow here, but since it's a collection of islands, tuna is a growth industry. For ten points, identify this Indian Ocean country whose capital is Victoria.

Answer: The Seychelles or La Republique Seychelloise

13. Utilizing the most unusual structure its normally-mainstream author ever wrote, it begins not with chapter one, but with chapter six, with that chapter divided up as scenes in between the first five chapters. The book then asks the reader to accept impossible isotopes, parallel universes, and a three-gendered species called the Soft Ones, who construct a positron-electron exchange between their universe and ours in, for ten points, what Isaac Asimov work?

Answer: The Gods Themselves

14. At this time of year, it is low in the sky, rising to its highest point during the summer. Often paired with Cygnus, it represents Zeus in the act of kidnapping Ganymede. The brightest star of this constellation, a white A 7 5.1 parsecs away, is part of the Summer Triangle with Deneb and Vega and is called Altair. For ten points, what is the name of this constellation depicting an eagle?

Answer: Aquila

15. Its name has been taken by a brand of clove cigarettes, and Doctor Who recognized its sound in the episode Inferno. It was the victim of a massive "phreatic," or steam, explosion, and a later expedition to the site found only a sole spider living there. Since then, it has been the victim of lesser explosions, far smaller than the one that cost 36,000 Indonesians their lives. For ten points, name this island located between Java and Sumatra, the site of a 100 megaton explosion in 1883.

Answer: Krakatoa or Krakatau

16. A Chicagoan born in 1940 and first recording with Donald Byrd, this pianist quickly gained both jazz and mainstream popularity with his Watermelon Man. He was a backing musician for Blue Note during the late 60s, but was much more recognized for his work with the Miles Davis and then the VSOP quintets. Pieces like You Bet your Love, Rocket and Chameleon brought him disco success, and twice he has toured as leader of the funk-based Headhunters. For ten points, name the man who recorded Gershwin's World and New Standard.

Answer: Herbie Hancock

17. He timed the announcement of his retirement to benefit the campaign of his son Lincoln, the mayor of Warwick; a scion of one of the state's Five Families, he beat a Democratic governor for reelection by 398 votes in 1962 and served three terms in office before becoming Richard Nixon's Secretary of the Navy. He failed in a 1972 bid to unseat Claiborne Pell, but won an open Senate seat four years later, eventually rising to be chairman of the Environment and Public Works Committee. For ten points, name this retiring Republican senator from Rhode Island.

Answer: John Chafee

18. She had an older brother Austin and a younger sister Lavinia, and seldom traveled outside her home town. Helen Hunt Jackson encouraged her work, but Thomas Wentworth Higginson advised against publication; as a result, a mere seven of her over 2000 poems were printed in her lifetime. For ten points, name this reclusive Amherst native, the author of *A Dying Eye*.

Answer: Emily Dickinson

19. In 1979, it formed the most prominent feature of the Newberry Volcano. Although often dark from impurities, it does transmit light. Because it can hold a very sharp edge, it was often used by native Americans to make arrowheads. Strictly speaking, however, it's not a mineral -- it's a supercooled fluid with the formula  $\text{SiO}_2$ . For ten points, identify this volcanic glass.

Answer: Obsidian

20. In the days of the Macedonian and Roman empires, its eponymous people still lived on the plains of central Asia, arriving only in the 6th century. Its first kingdom was founded in 681, reaching its height under Simeon I. As a modern state, it became a reality under the Treaty of San Stefano; as a member of the losing side in both World Wars, it lingered as a Communist satellite until 1989. For ten points, identify this southeastern Balkan state whose capital is Sofia.

Answer: Bulgaria

21. "You got to learn to stick to your own blood or you ain't going to have any blood to stick to you." This is the lesson that the main character learns in this short story. His father, an ex-soldier, travels from town to town with his family, each time committing a similar act of vandalism and ordering Abner to take the blame. Finally, Abner leaves the Snopes family in, for ten points, what 1939 work by William Faulkner?

Answer: Barn Burning

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1. 5-10-15. Give the title of the Robert Burns poem, given a quotation.

a) "Should auld acquaintance be forgot, and never brought to mind?"

Answer: Auld Lang Syne

b) "The best-laid schemes o mice and men Gang aft agley."

Answer: To a Mouse

c) "Fair fa' your honest, sonsie face, Great chieftain o the puddin'-race!"

Answer: Address to a Haggis

2. Identify the composer from works, 30-20-10.

30) Russian Easter Overture ; Le Coq d'Or

20) The Snow Maiden ; Capriccio Espagnol

10) Tsar Saltan, in which can be found the Flight of the Bumblebee

Answer: Nikolai Andreyevich Rimsky-Korsakov

3. On March 20, two men made aviation history when they completed the first non-stop around-the-world trip in a balloon. Answer the following questions FTSNOP:

a) FFPE, name the two men who piloted the balloon, one British and the other Swiss.

Answer: Brian \_Jones\_ and Bertrand \_Piccard\_

b) FTP, name the balloon, which is named after a watch company, its mission, and the number of its attempt. You will receive five points for answering the first part.

Answer: \_Breitling Orbiter 3\_

c) Now, FFPE, name the countries in which the Breitling Orbiter 3 took off and landed.

Answer: \_Switzerland\_ and \_Egypt\_

4. How much do you know about Nazi-occupied France? Answer these questions FTSNOP:

10) Name the WWI “Hero of Verdun” who led Vichy France.

Answer: Henri Phillipe \_Petain\_

10) This fashion designer lived through the war comfortably in Paris as the live-in mistress of a high-ranking Nazi, the Baron Hans Gunther von Dicklage

Answer: Coco \_Chanel\_

5 pts apiece) Germany wasn’t the only nation to occupy parts of France. FFPE, which two regions of mainland France were occupied by Italy from 1940-44?

Answer: \_Nice\_ and \_Savoie\_ (or \_Nizia\_ and \_Savoy\_)

5. Given a description, identify the protein-forming amino acid FTPE.

a) Unique among amino acids in that it is easily soluble in alcohol, this key component of collagen is synthesized by animals from glutamic acid.

Answer: \_proline\_

b) The amino acid coded for on the “start” codon AUG in RNA, this sulfur-containing amino acid accounts for five percent of the weight of egg albumin.

Answer: \_methionine\_

c) Individuals with the genetic disorder PKU cannot process this acid, the top component in human hemoglobin, into tyrosine.

Answer: \_phenylalanine\_

6. 5-10-15. Answer the following questions about MAD magazine.

a) His gap-toothed grin originated as a "painless dentistry" advertisement in the late 19th century.

Answer: Alfred E. \_Neuman\_

b) This portly publisher of MAD began his career as a publisher of comic books. The quality of MAD declined sharply after his death.

Answer: William \_Gaines\_

c) This bald-headed writer's work has appeared in more issues of MAD than any other, where his alter ego Chic Glitz can be seen hawking everything from real estate to home education; he is best known for his movie, TV and ad take-offs.

Answer: Dick \_DeBartolo\_

7. Identify the philosopher from works, 30-20-10

30) \_On the History of Early Christianity\_, 1894

20) \_The Role of Force in History\_, 1888 ; \_The Dialectics of Nature\_, 1883

10) \_The Origin of the Family, Private Property, and the State\_, 1884, and the final volume of \_Das Kapital\_

Answer: Friedrich \_Engels\_

8. Answer the following questions about cultural anthropologists FTSNOP:

a) Many cultural anthropologists divide societies into four often-chronological stages, based on size, internal complexity, and presence or absence of certain kinds of institutions. FFPE, name these four stages.

Answer: \_Band\_, \_Tribe\_, \_Chiefdom\_, \_State\_ or \_Civilization\_

b) There are four basic kinship rules for reckoning descent -- the first two being matrilineal and patrilineal. For ten points, identify either of the other two rules; by the first, descent is based equally on both sides of the family tree, and by the second, descent reckoning switches between the male and female lines through the generations.

Answer: \_Bilateral\_, \_Ambilineal\_

9. Identify these classes of subatomic particles FTPE.

a) This class of subatomic particles, including both leptons and baryons, have half-integral spin and obey the Pauli exclusion principle.

Answer: \_fermion\_s

b) This other class of subatomic particles, including mesons, photons and gluons, have integral spin and two or more can occupy the same quantum state, in contrast to fermions

Answer: \_boson\_s

c) This is the collective name for particles made from quarks; it includes examples of both fermions and bosons.

Answer: \_hadron\_s

10. Given the central character of a 19th century French novel, identify the novel FTSNOP.

15) Fredrick Moreau

Answer: \_Sentimental Education\_ or \_L'Education Sentimentale\_

10) Julien Sorel

Answer: \_The Red and the Black\_ or \_Le Rouge et le Noir\_

5) Jean Valjean

Answer: \_Les Miserables\_

11. Identify these English royal houses from clues FTPE, or for five if you need the name of a monarch in that house:

10) It acceded to power under the Act of Settlement, out of fear that the king would otherwise be a Roman Catholic.

5) George IV

Answer: \_Hanover\_

10) It is named for the French city on the Loire whose counts were the most powerful feudal lords of France during the tenth century.

5) Stephen

Answer: \_Blois\_

10) The shortest-lived of England's royal houses, it lasted only 16 years before a change of name.

5) Edward VII

Answer: \_Saxe-Coburg-Gotha\_

12) Given the Hudson River School painting, identify the painter FTPA.

a) \_The Ox-Bow\_

Answer: Thomas \_Cole\_

b) \_Kindred Spirits\_

Answer: Asher \_Durand\_

c) \_The Lackawanna Valley\_

Answer: George \_Innes\_

13. Identify the following Siberian rivers, FTPA.

a) This river flows through Yakutsk and empties into the Laptev Sea. Vladimir Ulyanov took his party name from it.

Answer: \_Lena\_

b) This river begins near the western Russo-Chinese border, passing through Novosibirsk and emptying into the Kara Sea.

Answer: \_Ob\_

c) Name either of the two rivers that once fed the Aral Sea until they were diverted for irrigation.

Answer: \_Amu Darya\_ or \_Syr Darya\_

14. 30-20-10. Name the author from works.

30) \_Mosby's Memoirs\_ ; \_The Dean's December\_

20) \_The Victim\_ ; \_Henderson The Rain King\_

10) \_Humboldt's Gift\_ ; \_The Adventures of Augie March\_

Answer: Saul \_Bellow\_

15. Answer the following questions about the Carter presidency FTSNOP.

10) This first Carter secretary of state resigned after a failed attempt to free the hostages in Iran, and in the 1990s tried, and failed, to negotiate a Bosnian cease-fire.

Answer: Cyrus R. \_Vance\_

5) Carter's youngest child was raised in a figurative fishbowl, causing difficulties through the rest of her life. What is her name?

Answer: \_Amy\_ Lynn Carter

15 possible) Carter was challenged for renomination by two prominent politicians. Five points for one, fifteen for both, what two men ran against Carter in the 1980 Democratic primaries?

Answer: \_E\_dward M. \_Kennedy (or Ted Kennedy) ; \_Edmund G. Brown, Jr.\_ (or \_Jerry Brown\_)

16. Answer these questions about fluorine-containing substances FTPE.

a) This simplest fluorine compound is nonflammable, but as a gas can attack the eyes and mucous membranes, while as a liquid it is used as an insecticide, to stop fermentation in brewing, and to etch glass.

Answer: Hydrogen Fluoride or HF or Hydrofluoric Acid

b) This CFC is still used in dry-cleaning and as a coolant in some parts of the world, even though it is both a carcinogen and an ozone-depleter. It is uniformly polar.

Answer: Carbon Tetrafluoride or CF<sub>4</sub> or Freon

c) This substance is ultra-centrifuged in the enrichment of uranium for the production of nuclear bombs.

Answer: Uranium Hexafluoride or UF<sub>6</sub>

17. Answer these questions about the most fun book of the Divine Comedy, Inferno.

First off, FFPE, given a punishment described in Inferno, name one sin associated with it.

a) The sinners of the fourth circle roll massive weights up hills, only to have them fall down again.

Answer: Avarice or Waste

b) Ciacco and others of his ilk lie in the dirt and are gnawed at by Cerberus the three-headed mad dog.

Answer: Gluttony

c) The sinners of the ninth circle are frozen in ice for what Dante considers the most heinous of human sins.

Answer: Traitorousness or equivalents

Now, for five more points each, the three greatest traitors in history are held in Satan's mouths. Who are they?

Answer: Brutus, Cassius, Judas

18. 5-10-15. Answer these questions about classical economics.

a) Which 1776 work sounded the death knell for mercantilism and founded classical economics?

Answer: An Inquiry Into the Origin and Causes of the Wealth of Nations by Adam Smith

b) Which discredited law, named after a French economist, states that "supply creates its own demand" and is a cornerstone of classical economics, despite the Great Depression?

Answer: Say's Law

c) What law is used for the derivation of Say's law and states that the supply of labor is, in the long run, fixed, and therefore that wages tend to gravitate toward the lowest possible amount?

Answer: the Iron Law of Wages

19. 30-20-10-5. Name the year.

30) Mata Hari and Jack London are born ; Mikhail Bakunin dies

20) George S. Custer fights the battle of Little Bighorn

10) Colorado becomes a state

5) The United States celebrates 100 years of independence

Answer: \_1876\_

20. Answer these questions about plate tectonics FTSNOP.

a) Note the following list of continental plates: North American, African, Indo-Australian, Eurasian. FFPE, in what directions are each of them moving?

Answer: North American is moving \_west\_ and rotating counter-clockwise; African is moving \_north\_; Indo-Australian is moving \_north\_; European is moving \_east\_.

b) FTP, this small plate lies under its eponymous strait in the Pacific Northwest.

Answer: The \_Juan de Fuca\_ plate