

1997 MLK Invitational  
Questions by Charlie Steinhice

1. It is believed that former stream activity cut a notch or saddle into the very resistant but highly fractured Paleozoic sedimentary strata here. More easily eroded areas to the northwest diverted the stream activity, so for recorded history this has been strictly a wind gap. In order to restore it to its late 18th century appearance, a tunnel has been built through here, doing away with a once-dangerous stretch of US 25E. FTP name this historic notch at the conjunction of Virginia, Tennessee, and Kentucky, the most famed gap through the Southern Appalachians.

Answer: Cumberland Gap

2. "Death and Dr. Hornbook". "Address to the Devil." "The Tree of Liberty." "To a Haggis." "Flow Gently, Sweet Afton." "John Barleycorn." "My Love Is Like a Red Red Rose." "To a Mouse." FTP name the author of these poems, as well as "My Heart's in the Highlands", "Tam O'Shanter", and "Auld Lang Syne."

Answer: Robert Burns

3. It was prepared as early as 1611 by Andreas Libau, and in 1775 Joseph Priestley discovered this compound's gaseous form. In 1810 Humphry Davy proved that it did not contain oxygen, debunking the notion that oxygen was in all acids. FTP name this extremely corrosive substance, sometimes called muriatic acid, whose formula is a simple HCl.

Answer: hydrochloric acid

4. It was written in 1931 by Herman "Dodo" Hupfeld, who also wrote "When Yuba Plays the Rumba on the Tuba." Rudy Vallee sang it in the Broadway show "Everybody's Welcome." It sold 40,000 records and then faded from memory until Warner Bros. fished it out of the files to be sung by Dooley Wilson in a film whose working title was "Everybody Goes to Rick's." FTP name this love song made unforgettable when played by Sam in Casablanca.

Answer: "As Time Goes By"

5. He advocated an economic system called the jing tian, which called for dividing a square mile of land into nine squares with tenants on the eight outer squares mutually farming the ninth to support the king. He asserted that ren, or human-heartedness, and yi, or what is proper, were coequal as the most important of all the virtues. Even though Confucius dwelt on ren while only mentioning yi briefly, this man's interpretation of Confucius was widely accepted as the authoritative one. FTP name this Chinese philosopher, whose primary innovation was the notion that human nature is basically good.

Answer: Mencius or Meng Tzu or Mengzi

6. It's odd that he worked so closely with Churchill during World War II, since they'd been on opposite sides in the Boer War. He fought on behalf of his old foes the British in World War I as well, defeating the German forces in South West Africa. He also helped found both the League of Nations and the UN, as well as founding the anti-republican, anti-racialist United Party in 1934. FTP name this Afrikaner, twice Prime Minister of South Africa.

Answer: Jan Christiaan Smuts

7. The phenomenon was discovered in 1911 by the Dutch physicist Kamerlingh Onnes, but neither the process nor its ramifications were understood until around 1951. The bubble chamber was made practical when in 1961 a group of compounds with this quality was discovered which can carry high currents in very high magnetic fields rather than at temperatures near absolute zero. FTP name this phenomenon in which, under certain conditions, electrons flow through metals without significant resistance, the explanation

of which belatedly won the 1972 Nobel Prize in Physics for Bardeen, Cooper, and Schrieffer.

Answer: superconductivity

8. This author's work has the combination of realistic themes and respect for literary influences that one might expect from a graduate of both Brooklyn College and Yale. *Linden Hills* is set in an upwardly mobile suburb patterned after Dante's circles of Hell. *Mama Day* blends stories from *The Tempest* with black folklore, and *Bailey's Cafe* uses a Brooklyn diner as a mythic oasis for the suffering. FTP name this author, mentor to many younger African-American women writers, who wrote *The Women of Brewster Place*.

Answer: Gloria Naylor

9. It has taken advantage of man's attempts to tame nature and now feeds almost exclusively on domestic animals. There are three species of this mammal: *Diphylla ecaudata*, *Diaemus youngi*, and *Desmodus rotundus*. Its tongue has two lateral grooves which alternately open and close while feeding, drawing the desired liquid into the mouth. FTP name these small nocturnal predators, who live exclusively on up to five teaspoons a day of blood.

Answer: vampire bats; if "bats" ask for more information

10. After a stint in the Air Force he briefly tried his hand at acting with the help of his uncle, Jack Haley; perhaps you saw his one starring vehicle, *The Starfighters*, on *Mystery Science Theater 3000*. In 1978 and 1980 he beat Gregory Peck's son Tony for a Congressional seat in California. He apparently still thinks it's his seat; he still refuses to accept his narrow defeat last fall by Loretta Sanchez. FTP name this flamboyant right-winger nicknamed "B1 Bob," who'd already lost a Presidential bid earlier in 1994.

Answer: Robert Dornan

11. From retirement in 1936 until his death in 1943 he was an active anti-Nazi crusader. He said, "Hitler taught me that it is not only necessary to discover truths about man; it is necessary to spread them to the world. Science alone was not enough to check the wide acceptance of the race nonsense of Nazism." He should know, since he demolished a lot of that race nonsense in such works as *Changes in Bodily Form in the Descendants of Immigrants* and *The Mind of Primitive Man*. FTP name this anthropologist, who as a Columbia professor taught the first generation of American anthropologists.

Answer: Franz Boas

12. He personifies bisexuality in an Apollinaire play and in Eliot's "The Waste Land." In Euripides' *Bacchants* he is a convert to Dionysian rites. His blinding is recounted in "The Baths of Pallas," a Callimachus poem, and his prophecies appear in three Sophocles plays. FTP name this Theban seer who had briefly been a woman and thus was the expert Zeus and Hera turned to when comparing notes on sexual pleasure.

Answer: Tiresias

13. They were the last team to win an NFL Championship without winning the Super Bowl. In fact, they've lost 4 Super Bowls to 4 different opponents: Kansas City, Pittsburgh, Miami, and Oakland. FTP name this NFL franchise, which has boasted such legendary players as Paul Krause, Jim Marshall, Alan Page, and Fran Tarkenton.

Answer: the Minnesota Vikings

14. His name is still in the title of his homeland's national anthem. Before his assassination by a jealous Burgundian, he had defeated the Duke of Alva, become the first Statholder of the northern

provinces, and presided over the Union of Utrecht. FTP name this Count of Nassau, founder of the Dutch Republic.

Answer: William the Silent or William I

15. He leaves a rather thin body of work for a 43-year writing career: his travel letters and a journal published as *Intimate Notebook*, the unfinished novel *Bouvard et Pechucet*, four other novels, three plays, and the story collection *Trois Contes*. Heck, the story collection only had three stories. He might have written more if the first novel hadn't taken five years to write and another two years to defend in court. FTP name the author of *The Temptation of St. Anthony*, *A Sentimental Education*, and *Madame Bovary*.

Answer: Gustave Flaubert

16. Three entries in his journal are listed in the *Oxford Dictionary of Quotations*. One is, "Great God! this is an awful place." Another is, "For God's sake look after our people." The third is, "Had we lived, I should have had a tale to tell of the hardihood, endurance, and courage of my companions which would have stirred the heart of every Englishman. These rough notes and our dead bodies must tell the tale." FTP identify this explorer, who died on the return trip on the second expedition to reach that awful place, the South Pole.

Answer: Robert Falcon Scott

17. About his work this painter once said: "The sound of water escaping from mill-dams, etc., old rotten planks, slimy posts, and brickwork, I love such things. No arrogant man was ever permitted to see nature in all her beauty." Many of his works he considered "sketches", since they were unfinished by the academic standards of his day, but such "sketches" as "Weymouth Bay" and "Salisbury Cathedral from the River" are now considered masterpieces. FTP name the painter of "The White Horse" and "The Hay Wain."

Answer: John Constable

18. It's tough to credit this with a discoverer. In the 1920's Edward Milne realized that the sun ejects particles at high speeds. A decade later Bruno Rossi used rockets to study cosmic rays and became aware of streams of these particles. In 1959 Eugene Parker theorized that charged particles emitted from the sun would follow the lines of force of its magnetic fields; this was verified in 1962 by the Mariner 2 Venus probe. FTP give the common name for this phenomenon.

Answer: solar wind

19. Making extensive use of interior monologues and flashbacks, it follows three generations of architects and their response to the Nazi regime and its aftermath. Heinrich Fehmel builds St. Anthony's Abbey; his son Robert destroys it to protest the church's complicity with the Nazis, and his grandson Joseph helps restore it as an apprentice. FTP name this 1959 novel by Heinrich Boll.

Answer: *Billiards at Half Past Nine*, or *Billard um Halbzehn*

20. Union troops arrived at the Rappahannock in time to cross it and seize the city's heights before Lee arrived, but their pontoon bridges didn't arrive as planned. Even though the river was fordable, fear of being cut off by rising water led Union commanders to wait for the bridges. When they finally arrived, the Union failed to send advance parties to cover the bridgeworks, so the Confederates shot many of their engineers. Then the main Union assault was delayed by one Rebel gun section with only one working cannon. By battle's end Burnside tried to compensate for this and other blunders by repeated futile assaults against Marye's Heights. FTP name this Confederate victory of December 1862.

Answer: Fredericksburg

21. Equus wins the Tony for Best Play. Cesar Milstein and Georges Kohler develop a method for creating monoclonal antibodies. Ursula K. Le Guin wins a Hugo for The Dispossessed. Major Grammys go to the Captain and Tennille, Ray Stevens, and Van McCoy and the Soul City Symphony. Bill Gates and Paul Allen write the first BASIC program. Cambodia seizes the USS Mayaguez. Squeaky Fromme and Sarah Moore both try to kill President Ford. And the Reds beat the Red Sox in one of the most memorable World Series ever. FTP name the year.

Answer: 1975

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Questions by Charlie Steinhice

1. This round was written by Charlie Steinhice. For the sake of expediency, Charlie was kind enough to combine all his pet topics into one bonus, although it's not in his favorite form, the 30-20-10-5-1 bonus. For 5 pts. each identify the following:

1. The one-hit wonder who recorded the 1986 dance hit "I Can't Wait" not to be confused with the Stevie Nicks song of the same name from the same year

Answer: Nu Shooz

2. The New Jersey-born actress who won the 1983 Oscar for Best Supporting Actress for playing a half-Chinese, half-Australian male dwarf in The Year of Living Dangerously.

Answer: Linda Hunt

3. The assassin who, depending on whose version of the story you believed, either narrowly missed killing President-Elect Franklin Roosevelt or shot past FDR to kill his true target, Chicago mayor Anton Cermak.

Answer: Guiseppe Zangara

4. The symbol used on the room atop the mansion display on the Addams Family pinball machine, which lights when all mansion rooms have been completed and the next visit gets the "Tour the Mansion" feature.

Answer: a question mark

5. The Chattanooga native nicknamed "the Empress of the Blues", credited with prompting hundreds of thousands of blacks to buy record players in the 1920's.

Answer: Bessie Smith

6. And for your obligatory Travels with Charlie question, the interstate highway which runs from Dandridge, Tennessee, to the Canadian border near Watertown, NY and which in all likelihood Charlie is driving on somewhere in Tennessee or Virginia at this very moment

Answer: I-81

2. Name the authors of these philosophical works, 10 pts. each:

1. System of Logic and On Liberty Answer: John Stuart Mill

2. Mishne and Guide of the Perplexed Answer: Maimonides

3. The Sense of Beauty and The Life of Reason {George Santayana

3. Rudyard Kipling made it tough to use famous quotes from his poems in a bonus, not only because his work is anything but PC, but also because most of 'em have the title in the quote. For 10 pts. each. name the Kipling poems from quotes with "blank" substituted from the title:

1. Though I've belted you and flayed you,/By the living Gawd that made you,/You're a better man than I am, (blank).

Answer: "Gunga Din"

2. Take up (blank),/Send forth the best ye breed - /Go, bind your sons to exile/To serve your captives' need

Answer: "The White Man's Burden"

3. We're foot-slog-slog-slog-sloggin' over Africa/Foot-foot-foot-foot-sloggin' over Africa/(Balnk-blank-blank-blank)-movin' up an' down again!/There's no discharge in the war! =

Answer: "Boots"

4. Given a description of its structure, , identify the hydrocarbon compound, 10 pts. each:

1. Two carbon atoms, linked by a single bond, with each linked by single bonds to three hydrogen atoms.

Answer: ethane

2. Two carbon atoms, linked by a triple bond, with each linked by a single bond to one



hydrogen atom.

Answer: acetylene

3. Two carbon atoms, linked by a double bond, with each linked by single bonds to two hydrogen atoms.

Answer: ethylene

5. Even before the Caesars, Rome had more than its share of revolts, coups, and other kinds of political intrigue. Identify the following losers for 10 pts. each:

1. In the 2nd century B.C. these brothers, Tiberius and Gaius, led the Populares, or People's Party. Their call for land reform and lower grain prices got Tiberius assassinated; after several years of struggle Gaius committed suicide.

Answer: the Gracchi; accept Gracchus

2. This Thracian slave's rebellion in 73 B.C. was eventually suppressed by General Crassus, but not before two Roman armies had been defeated and Rome itself threatened.

Answer: Spartacus

3. In the 60's B.C. this man led a conspiracy in the Senate, but his rebellion was crushed and the republic saved by (ironically) Julius Caesar.

Answer: Catiline

6. Name the composers of these 20th century works of music on a 10-5 basis:

1. 10 pt: The Little Train of the Caipira

5 pt: Bachianas Brasileiras

Answer: Heitor Villa-Lobos

2. 10 pt: Apollon Musagete and Requiem Canticles

5 pt: The Soldier's Tale and The Firebird

Answer: Igor Stravinsky

3. 10 pt: Dances Cubanas and El Salon Mexico

5 pt: Billy the Kid, Rodeo, and Lincoln Portrait

Answer: Aaron Copland

7. For 5 pts. each, name the Nobel laureate in literature from works--and no, you don't get the year.

1. Nausea; The Condemned of Altona; The Flies; No Exit

Answer: Jean-Paul Sartre

2. The Winding Stair; The Wind Among the Reeds; The Wild Swans at Coole

Answer: William Butler Yeats

3. The Cancer Ward; August 1914

Answer: Aleksandr Solzhenitsyn

4. Straight Is the Gate; The Pastoral Symphony; The Immoralist

Answer: Andre Gide

5. Auto-da-Fe; Crowds and Power

Answer: Elias Canetti

6. The Bluest Eye; Sula; Song of Solomon

Answer: Toni Morrison

8. For 10 pts each identify these Supreme Court cases which helped establish and preserve corporate privileges:

1. In this 1819 decision the Court treated corporate charters as fully protected contracts and said that not even the state legislature that granted one could tamper with it unless it had explicitly reserved the right to do so.

Answer: Dartmouth College v. Woodward

2. This 1837 decision balanced private property rights against the public welfare in holding that state charters implied no vested rights to prevent the state from granting a similar charter to a competitor.

Answer: Charles River Bridge v. Warren Bridge

3. In this 1877 case, one of the "Granger Cases," the Court ruled that states could regulate private property in the public interest when the public clearly had an interest in that property, but placed the burden of proof on the state.

Answer: Munn v. Illinois

9. If you really want a Nobel Prize in Medicine and Physiology, you might play the odds and work with insulin. For ten points each name:

1. The Canadian and the Scot who shared the 1923 Nobel for their work in extracting insulin from the human pancreas and injecting it in purified form into the blood of diabetics.

Answer: Frederick Banting and John MacLeod

2. The English biochemist awarded the 1958 Nobel for determining the exact order of amino acid chains for the insulin molecule, making possible the eventual creation of humulin.

Answer: Frederick Sanger

10. So have you been paying attention to the offseason baseball merry-go-round? Barring any further last-minute changes, given a ballplayer, tell whose uniform he'll wear next year, 5 pts. each:

- |                   |                               |
|-------------------|-------------------------------|
| 1. Albert Belle   | Answer: Chicago White Sox     |
| 2. Roger Clemens  | Answer: Toronto Blue Jays     |
| 3. Moises Alou    | Answer: Florida Marlins       |
| 4. Steve Avery    | Answer: Boston Red Sox        |
| 5. Alex Fernandez | Answer: Florida Marlins       |
| 6. Rex Hudler     | Answer: Philadelphia Phillies |

11. Thou shalt receive five points if thou canst name the book of the Bible from whence came each quote:

- |   |                              |
|---|------------------------------|
| 1. For now we see through a glass, darkly, but then face to face              | Answer: I Corinthians        |
| 2. I will lift up mine eyes unto the hills, from whence cometh my help        | Answer: Psalms               |
| 3. Physician, heal thyself  | Answer: Luke                 |
| 4. Sun, stand thou still upon Gibeon; and thou, Moon, in the valley of Abajon | Answer: Joshua               |
| 5. What hath God wrought!   | Answer: Numbers              |
| 6. Paul, thou art beside thyself; much learning doth make thee mad            | Answer: Acts of the Apostles |

12. In the portion of the Earth's crust that is accessible to accurate measurements, there are seven elements that make up more than 2% each by weight. For 5 pts. each, name any six in any order.

Answer: oxygen, silicon, aluminum, iron, calcium, magnesium, sodium

13. Given a painting or paintings by an artist from the Low Countries, name the artist, 5 pts. each:

- |  |                            |
|--|----------------------------|
| 1. The Garden of Earthly Delights  | Answer: Hieronymus Bosch   |
| 2. The Anatomy Lesson of Dr. Tulp  | Answer: Rembrandt van Rijn |
| 3. Broadway Boogie Woogie and Composition in Yellow and Blue                       | Answer: Piet Mondrian      |
| 4. The Raising of the Cross and The Judgment of Paris                              | Answer: Peter Paul Rubens  |
| 5. The Banquet of the Officers of the St. George Militia and The Laughing Cavalier | Answer: Frans Hals         |
| 6. The Night Cafe and Crows Over a Wheatfield                                      | Answer: Vincnt van Gogh    |

14. The first of American Express's "Do you know me?" commercials featured William Miller, unsuccessful candidate for Vice President on the 1964 GOP ticket with Goldwater. Given another losing running mate, name the presidential candidate, 5 pts each:

- |                                       |                             |
|---------------------------------------|-----------------------------|
| 1. Edmund Muskie                      | Answer: Hubert Humphrey     |
| 2. Henry Cabot Lodge                  | Answer: Richard Nixon       |
| 3. Sargent Shriver                    | Answer: George McGovern     |
| 4. Earl Warren                        | Answer: Thomas Dewey (1948) |
| 5. onetime Chattanooga Estes Kefauver | Answer: Adlai Stevenson     |
| 6. Franklin D. Roosevelt              | Answer: James Cox           |

15. Ever notice how many 19th century American authors insisted on using their full names? From a brief list of works, give the author's MIDDLE NAME on a 10-5 basis:

1. 10 pt: The Red Rover, The Sea Lions, and Satanstoe, or The Littlepage Manuscripts  
5 pt: The Pioneers, The Prairie, and The Pathfinder  
Answer: Fenimore
2. 10 pt: "Songs of Labor," "Maud Muller," and "The Barefoot Boy"  
5 pt: "Barbara Frietchie" and "Snow-Bound"  
Answer: Greenleaf
3. 10 pt: Hyperion, Christus: A Mystery, and "The Wreck of the Hesperus"  
5 pt: "The Psalm of Life" and Tales of a Wayside Inn, which included "Paul Revere's Ride"  
Answer: Wadsworth

16. So many of the early Presidents of independent African nations stuck around for a long time and/or declared themselves President for Life that some said Africa followed the principle of "one man, one vote, one time." For 5 pts. each, given a longtime postcolonial leader, name the nation:

- |                           |                                       |
|---------------------------|---------------------------------------|
| 1. Julius Nyerere         | Answer: Tanzania                      |
| 2. Habib Bourguiba        | Answer: Tunisia                       |
| 3. Ahmed Sekou Toure      | Answer: Guinea                        |
| 4. Felix Houphouet-Boigny | Answer: Cote d'Ivoire, or Ivory Coast |
| 5. Kenneth Kaunda         | Answer: Zambia                        |
| 6. Gnassingbe Eyadema     | Answer: Togo                          |

17. Name these management experts, 15 pts. each:

1. Five years before Fayol's study, this anal-retentive American wrote The Principles and Methods of Scientific Management, which included such ideas as time-study and payment of premium bonuses. He lacked both the theoretical framework and the acknowledgement of social responsibility of Fayol.  
Answer: Frederick W. Taylor
2. This venerable Austrian-American first drew attention with his 1946 study of General Motors, Concept of the Corporation. He remains popular for such management treatises as The Effective Executive, Concept of the Corporation, and Managing in a Time of Great Change.  
Answer: Peter Drucker

18. Sophocles apparently wrote about 123 plays, but 116 are lost or survive only in fragmentary form. Can you name all seven of his extant tragedies? You'll get five points for naming the first two and another five points for each thereafter for a possible 30 points if you come up with all 7.

Answer: Ajax, Antigone, Oedipus the King (or Oedipus Rex or Oedipus Tyrannus), Trachiniae, Electra, Philoctetes, Oedipus at Colonnus

19. Answer the following physics questions, 10 pts. each:



1. The speed of a wave is 30 meters per minute. The wave's frequency is 2 cycles per second. What is its wavelength?

Answer:  $\frac{1}{4}$  meter, or 25 cm

2. Using 32 feet per second squared for the acceleration of gravity, within a tenth of a second, what is the period of a 4-foot pendulum?

Answer: 2.2 seconds; accept 2.1 - 2.3

3. Bearing in mind that a sound of zero decibels has an intensity of  $(10 \text{ to the negative } 12)$  watts per meter squared, what is the intensity of a 70 decibel sound?

Answer:  $(10 \text{ to the negative } 5)$  watts per meter squared

20. For 10 pts. each, name the authors of these works in psychology & sociology:

1. Motivation and Personality

Answer: Abraham Maslow

2. Life History and Historical Moment; Childhood and Society

Answer: Erik Erikson

3. The Hidden Dimension; The Silent Language

Answer: Edward Hall