

## CARLETON CHEERIOS

(Mike Church, Kevin Clair, Sarah Horowitz, Ezra Lyon)

*Fabulous Unnamed Chicago Tournament*  
May 4, 2002

### TOSSUP QUESTIONS

1. An English bandmaster's son, at age 14 he won the first Mendelssohn scholarship, and went on to study at a German conservatory. At age 20 he achieved fame for his *Tempest*, and went on to compose a number of admired choral works, and one grand opera, *Ivanhoe*. He is better remembered, though, for writing the hymn "Onward Christian Soldiers," and for collaborating on a series of 14 works that ended with 1896's *The Grand Duke*. For 10 points--name this composer whose scores also include *H.M.S. Pinafore* and *The Mikado*.

answer: Sir Arthur (Seymour) Sullivan

2. If a complete graph is drawn with  $n$  vertices, and each graph edge is assigned a numerical "weight," the time required to evaluate each Hamilton circuit, so as to select an optimal circuit with smallest total weight, is non-polynomial. For a personal computer to solve the  $n = 100$  case this way would take more time than has elapsed since the beginning of the universe, so solutions to this problem are done by algorithms such as the "cheapest link" and "nearest neighbor." For 10 points--name this mathematical problem, which often incites jokes about a farmer with three daughters.

answer: traveling salesman problem (prompt on "TSP")

3. This dynasty arose from a rebellion against military service in Korea, resulting in a power struggle won by Li Yüan. During it, Chinese overlordship was extended along the Silk Road as far west as Kabul, but imperial energy was checked by the need to suppress the An Lu-shan rebellion. Government and religious life was centered at the western capital of Chang'an. For 10 points--name this successor to the Sui [sway] dynasty, lasting from 618 to 907 and famed for its sculpture and poetry.

answer: T'ang dyansty

4. He discussed such diverse topics as Amtrak, militarism and the nature of time in pornographic movies in his 1992 essay collection, *How to Travel with a Salmon*. A semiotician by profession, his preoccupation with symbols can be seen in his most famous work, a medieval detective story. For 10 points--name this author of *The Island of the Day Before*, *Foucault's Pendulum*, and *The Name of the Rose*.

answer: Umberto Eco

5. He shares his name with the capital city of a nation that became independent from France in 1975. According to tradition, he hid two translating stones, the Urim and the Thummum, inside a hill in Ontario County, New York, along with encrypted golden plates that were then uncovered and translated in 1827. For 10 points--name this angel responsible for transmitting the Book of Mormon to Joseph Smith, and whose name is also that of the capital of the Islamic Republic of Comoros.

answer: the angel Moroni

6. This member of the Solanaceae family has shiny purple-black berries and bell-shaped flowers. Containing the alkaloid atropine, its ingestion can be toxic in doses as low as 600 mg. The common name for this plant derives from use of its extracts by Mediterranean women to dilate their pupils, giving their eyes that attractive glazed look. For 10 points--what plant, also known as "deadly nightshade," has a name meaning "beautiful lady" in Italian?

answer: (Atropa) belladonna (accept deadly nightshade early)

7. An intellectual hero of the 1960s New Left, this Texan has been described as a "volcanic eminence" in academic sociology. He believed that the "academic elite" had a moral duty to challenge the existing power leadership of businessmen and the military. He wrote a scathing critique of his profession in *The Sociological Imagination*, and won an audience outside the academy with his book *White Collar*. For 10 points--name this radical sociologist, who also wrote *The Power Elite*.

answer: C(harles) Wright Mills

8. It was founded twice, first in 1536 and then again in 1580 by Juan de Garay, after the original city had been destroyed. Its current attractions include Palermo Park, the Teatro Colón opera house, the shopping district on Calle [KYE-yay] Florida, and the Casa Rosada in the Plaza de Mayo. Home to residents known as *porteños*, this is--for 10 points--what major metropolis located on the Rio de la Plata?

answer: Buenos Aires

9. His true history becomes murky over time, and we hear of one sailor who believed that he was the author of the "Junius," being punished for a celebrated libel on Thomas Jefferson. In fact his punishment, carried out aboard a succession of ships over the course of some 55 years, is for involvement in the plots of Aaron Burr. For 10 points--what title character of an Edward Everett Hale story is condemned never again to hear news of the United States?

answer: Philip Nolan or The Man Without a Country

10. He himself attempted a coup against then-incumbent president Carlos Perez in February 1992; the resulting crackdown left him imprisoned for two years. More recently, he was imprisoned for only two days as the result of someone else's coup, before public protest restored him to his elected office governing from Miraflores palace. For 10 points--name this controversial non-friend to the Bush administration, the left-leaning president of Venezuela.

answer: Hugo Rafael Chavez Frias

11. Published in 1923, it begins, "The world is twofold for man in accordance with his twofold attitude. The attitude of man is twofold in accordance with the two basic words he can speak." It describes two possible relationships between humans and the world, one of which, standing in contrast to the objective "I-It" relationship, provides the book with its title. For 10 points--name this philosophical work by Martin Buber, originally published in German as *Ich und Du*.

answer: I and Thou (accept Ich und Du early)

12. He became editor of *The National Philanthropist* in 1828, and ran the *Journal of the Times* from Bennington, Vermont. In 1831 he founded a newspaper with the motto "Our country is the world--our countrymen are mankind," which denounced the Constitution as evil and attacked slave owners as "Satanic man stealers." For 10 points--name this founder of the abolitionist journal *The Liberator*.

answer: William Lloyd Garrison

13. It was theorized in about 1930 by a 19-year-old, who then waited more than 50 years before sharing the Nobel prize with William A. Fowler. Its existence is caused by linear running of energy with momentum for ultrarelativistic particles. Now calculated at about 1.44 solar masses, this is the maximum mass under which a white dwarf star can continue to support itself by electron degeneracy pressure. For 10 points--name this astronomical "limit," named for a physicist of Indian birth.

answer: Chandrasekhar limit

14. He is talented at writing advertising jingles, ringing bell changes, and playing cricket, but is most celebrated for the hobby he took up to settle his nerves after World War I, crime detection. Described by his great-uncle as a combination of "nose and nerves," he is certainly nervy when he proposes marriage during his first conversation with Harriet Vane. The younger brother of the Duke of Denver, this is--for 10 points--what aristocratic sleuth created by Dorothy Sayers?

answer: Lord Peter (Death Bredon) Wimsey

15. It was she who popularized the song "We're in the Money," in *Gold Diggers of 1933*, but her real stardom began with *Flying Down to Rio*, the first of ten films featuring a pairing of which it was said that she did everything her partner did, only backwards and in high heels. For 10 points--name this entertainer born Virginia McMath, who also appeared in films such as *Swing Time* and *Top Hat* as the dancing partner of Fred Astaire.

answer: Ginger Rogers (accept Virginia McMath early)

16. It began as the vision of Benton Mackaye, as described in the October 1921 edition of the *Journal of the American Institute of Architects* in an article subtitled "A Project in Regional Planning." Opened in 1937, it today touches 14 states, with just about a quarter of its entire length in Virginia. It reaches its greatest height, however, at Clingman's Dome on the Tennessee-North Carolina border. Extending from Mount Katahdin in Maine to Springer Mountain in Georgia, this is--for 10 points--what "national scenic trail"?

answer: Appalachian Trail

17. It ends by stating that races condemned to the title condition do not have a second opportunity on earth. This after the last of the line reads the family history written in Sanskrit and then further encoded by the gypsy Melquíades. Before reaching the final line, however, that character understands that at the precise moment he finishes deciphering the parchments, the whole town will be wiped out by the wind and exiled from the memory of men. For 10 points--name this saga of the Buendía family, a novel by Gabriel García Márquez.

answer: One Hundred Years of Solitude or Cien Años de Soledad

18. They were originally known as "On a Friday," before the Talking Heads inspired a change to the name under which this quintet released their 1992 debut album, *Pablo Honey*. Featuring the tracks "Stop Whispering," "Anyone Can Play Guitar," and "Creep," that debut album laid the foundation for followup successes such as *The Bends*, *Kid A*, and *Amnesiac*. For 10 points--name this British band formed at Oxford and fronted by Thom Yorke.

answer: Radiohead

19. Its existence was predicted in 1871 by Mendeleev, who called it "ekasilicon," but it was not until 1886 that it was isolated from argyrodite. It is used in phosphors for fluorescent lamps and gamma ray detectors, but it is its usefulness as a semiconductor that has led to its greatest use with transistors and integrated circuits. For 10 points--identify this element, atomic number 32, that was given a patriotic name by its discoverer, Clemens Winkler [VINK-ler].

answer: germanium

20. John of Luxembourg, the blind king of Bohemia, died in this battle, fighting for the French. Edward the Black Prince was notable on the outnumbered but victorious English side, in an engagement that demonstrated the superiority of the English longbow over the crossbow and armoured knights. For 10 points--name this victory of Edward III of England over Philip VI of France, fought August 26, 1346.

answer: Bttle of Crécy

21. Himself the author of such songs as "What We Want," "Should I Ever Be a Soldier," and "The Preacher and the Slave," he is the *subject* of a song written 21 years after his execution by firing squad, in which it is said, "From San Diego, up to Maine, in every mine and mill, where working men defend their rights, it's there you'll find"--this man. For 10 points--name this Swedish-born Wobbly organizer, songwriter, and labor martyr.

answer: Joe Hill (or Joe Hillstrom)

22. One of the main motives behind it was the desire to punish President Polk for appointing anti-Van Buren "Hunkers" to patronage jobs and for compromising on Oregon. Sponsored by a first-term Pennsylvania Democrat who wanted to show that his party was not completely Southern, it died when the Senate failed to act on it, but was revived in later Congresses. For 10 points--slavery would have been banned in lands acquired from Mexico by what "proviso"?

answer: the Wilmot Proviso

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### BONUS QUESTIONS

1. Identify these related things, for 10 points each:

A. Christian travels to the Celestial City in this literary allegory by John Bunyan.

answer: The Pilgrim's Progress

B. Coolio goes on a quest of self-discovery in this smash rap hit featured in the soundtrack to the movie *Dangerous Minds*.

answer: Gangsta's Paradise

C. Both works share this location, where one can walk and "fear no evil" in Psalm 23.

answer: the Valley of the Shadow of Death

2. A baseball record unlikely to be broken anytime soon is the career record of 110 shutouts.

A. For 5 points each--name both the man who holds this record, and the man who is the only still-active pitcher with more than 40 career shutouts.

answer: Walter Johnson, Roger Clemens

B. For 10 points each--name the National Leaguers who are numbers 2 and 3 on the all-time shutouts list, men whose last World Series appearances came in 1928 and 1913, respectively.

answer: Grover Cleveland "Pete" Alexander, Christy Mathewson

3. For 10 points each--name these early explorers of the New World:

A. This Spaniard went to New Mexico in search of the seven legendary cities of Cibola, supposed to be fantastically rich.

answer: Francisco Vásquez de Coronado

B. In search of the Northwest Passage this man led expeditions that discovered the St. Lawrence River and Prince Edward Island, and reached the present-day sites of both Quebec and Montreal.

answer: Jaques Cartier

C. Sailing under a patent from Henry VII, this Italian-born navigator touched on the North American coast, establishing English claims there. He disappeared on his second voyage, in 1498.

answer: John Cabot (or Giovanni Caboto)

4. Did you get an "A" in architecture? For 10 points each--supply these architectural terms:

A. This is the inner court of a Roman house, open to the sky and surrounded by the roof.

answer: atrium

B. This is a vaulted semicircular or polygonal termination, usually to a chancel or chapel.

answer: apse

C. This is a range of arches carried on piers or columns.

answer: arcade

5. For 10 points each--identify these terms that you are likely to encounter in connection with pregnancy or childbirth:



A. This is the female sex hormone secreted primarily by the corpus luteum prior to fertilization, and by the placenta during pregnancy, when it acts to prevent spontaneous abortion.

answer: progesterone

B. This is the cyclic peptide hormone that causes the uterine contractions facilitating childbirth, as well as the milk-ejection reflex.

answer: oxytocin

C. Named for the doctor who developed it, this is the test given newborns immediately after birth, assessing appearance, pulse, grimace reflex, activity, and respiration.

answer: Apgar test

6. Name these Thomas Mann works for 10 points each:

A. Hans Castorp spends seven years at Haus Berghof, a tuberculosis sanatorium in the Alps, where he meets such patients as Settembrini and Peeperkorn.

answer: The Magic Mountain (or Der Zauberberg)

B. Mann's character Adrian Leverkühn invents serial music similar to that of Arnold Schoenberg in this novel, in which Leverkühn makes a pact with the forces of evil.

answer: Doktor Faustus

C. This novel, Mann's first, tells the story of a patrician Lübeck family.

answer: Buddenbrooks

7. The so-called Second English Civil War of 1648 was a short-lived affair ending with the purging of Presbyterians in Parliament and the execution of the king. For 10 points each--

A. The major military action of the conflict was Cromwell's August 17 defeat of the Scots at this site in Lancashire, on the Ribble River.

answer: Preston

B. The Parliamentary purge was carried out by this soldier at the behest of the army council, and is generally referred to by his name.

answer: Thomas Pride (Pride's Purge)

C. This name was given the legislative remnant remaining after Pride's Purge, the Parliament which arranged for the king's trial and execution.

answer: Rump Parliament

8. Few people win one Nobel prize, let alone two. Name these double Nobel laureates, for 10 points each:

A. He was awarded the Nobel in chemistry for his work on the nature of the chemical bond and later the peace prize for his efforts against nuclear testing.

answer: Linus Pauling

B. The first to win two Nobels in the same field, this physicist shared a 1956 prize for development of the transistor, and also a 1972 prize for theoretical work in superconductivity.

answer: John Bardeen

C. This British biochemist won in 1958 for work on insulin, and shared the Chemistry prize again in 1980 for work on the base sequences in nucleic acids.

answer: Frederick Sanger

9. For 10 points each--name these monstrous children of Loki, from Norse myth:

A. From the waist down her flesh was decayed and putrid like a cadaver--appropriate for this goddess of death and ruler of the underworld.

answer: Hel

B. At its birth, this monster was thrown by the gods into the sea encircling the world of men. It grew to encircle the world and its head bites its tail.

answer: Jormungand(r) or the Midgard Serpent

C. Tyr sacrificed a hand to bind this beast with a chain made out of mountains' roots and women's beards.

answer: Fenrir or the Fenris wolf

10. 30-20-10. Name the American novel.

A. Its first line is: "On a January evening of the early seventies, Christine Nilsson was singing in Faust at the Academy of Music in New York."

B. Its last line is: "Newland Archer got up slowly and walked back alone to his hotel."

C. This study of Archer's thwarted love for Ellen Olenska won the 1921 Pulitzer Prize for Edith Wharton.

answer: The Age of Innocence

11. 1984 was a turbulent year in India. For 10 points each--

A. In June, 300-400 were killed as the Indian Army stormed the Golden Temple in this city, a Sikh religious center.

answer: Amritsar

B. In October, this prime minister was assassinated by two Sikh bodyguards.

answer: Indira Gandhi

C. In December, 45 tons of poisonous gas leaked from the Union Carbide insecticide plant in this city, killing as many as 2,500 and injuring 150,000.

answer: Bhopal

12. For 10 points each--name these painters who painted pipes:

A. His 1889 *Self-Portrait with Bandaged Ear and Pipe* was painted in Arles.

answer: Vincent Van Gogh

B. His *The Treachery of Images* is captioned "This is not a pipe"--though it sure as heck looks like one.

answer: René-François-Ghislain Magritte

C. New York's Metropolitan Museum holds this artist's *The Smoker*, showing a boy with a long Dutch pipe. It's spirit is similar to that of the more famous *The Jolly Toper* by the same artist.

answer: Frans Hals

13. He met Woody Guthrie after dropping out of Harvard, and two years later founded the Almanac Singers. For 10 points each--

A. Name this folksinger, responsible for such songs as "Where Have All the Flowers Gone," and "If I Had a Hammer."

answer: Pete Seeger

B. Seeger sparked a resurgence of interest in folk music as a member of this group, formed in 1948 with Lee Hays, Fred Helleman, and Ronnie Gilbert.

answer: The Weavers

C. Seeger looked to the Book of Ecclesiastes for the text to this song, which became a number one hit in the 1960s when recorded by The Byrds.

answer: Turn, Turn, Turn

14. Identify these geographical superlatives about the Republic of Ireland, for 10 points each:

A. Its longest river, which enters the Atlantic between Counties Limerick and Clare.

answer: Shannon

B. Its northernmost county, west of Northern Ireland.

answer: Donegal

C. The Republic's southernmost county, as well as its largest; its coastline includes Bantry Bay.

answer: Cork

15. Identify the plant hormone from a brief description, for 15 points each.

A. This class of growth-regulating hormone was first discovered by Japanese scientists studying "foolish seedling disease," which caused rice plants to grow abnormally tall and eliminate seed production. They are best known for stimulating stem growth.

answer: gibberellins (accept gibberellic acid)

B. This simple 2-carbon gas can cause trees to defoliate, reduce stem elongation in peas and induce lateral cell swelling. Storing fruit in a paper bag allows concentrations of this gas to build up, promoting ripening.

answer: ethylene or ethene

16. Identify these things about Dante's Inferno, for 10 points per answer:

A. Sinners of this type are transformed into trees that bleed human blood. When the other dead are resurrected, their souls will still be trapped in the forest.

answer: suicides (accept equivalent answers)

B. In the frozen center of the earth, Lucifer is gnawing on three men singled out as the greatest of sinners. Name any two.

answer: Brutus, Cassius, Judas Iscariot

17. Its plot concerns a princess who is to wed the first man of royal blood who can solve her three riddles, but who cuts off the heads of all who fail. For 10 points each--

A. Name this final Puccini opera, based on a Carlo Gozzi play.

answer: Turandot

B. In what country is Turandot set?

answer: China (accept Cathay)

C. What celebrated conductor of Turandot's premiere in Milan famously laid down his baton in the third act, declaring "the opera ends here, because at this point the Maestro died"?

answer: Arturo Toscanini

18. Given Cabinet members, name the American president, for 10 points each.

A. William Rogers, John Connally, Earl Butz

answer: Richard Milhous Nixon

B. James Buchanan, William Marcy, George Bancroft

answer: James Knox Polk

C. Robert Lansing, Newton Baker, and William McAdoo



answer: Woodrow Wilson

19. For 10 points each--name the physics terms, all beginning with the same letter, with these definitions:

A. The angular momentum possessed by a particle even when at rest.

answer: spin

A. A quantity which has no direction in space, only an amount.

answer: scalar

B. A point at which field vectors converge.

answer: sink

20. For 10 points each--identify these terrorist or revolutionary organizations:

A. Also known as the "Party of God," this Lebanese-based umbrella group for various radical Shi'ite groups has as its current Secretary General Hassan Nasrallah.

answer: Hizballah

B. Established in 1966 as the military wing of the Columbian Communist Party, this is the largest and best equipped guerilla organization in Columbia.

answer: Revolutionary Armed Forces of Columbia or FARC or Fuerzas Armadas Revolucionarias de Columbia

C. Abdullah Ocalan is the primary founder of this Marxist party whose goal is the establishment of an independent state in southeastern Turkey for its associated ethnic group.

answer: Kurdistan Workers Party or PKK or Partiya Karkeren Kurdistan

21. For 10 points each--name these places from Middle Earth that appear in J. R. R. Tolkien's Lord of the Rings trilogy:

A. A community of elves, it is here at the House of Elrond that the Fellowship is formed.

answer: Rivendell

B. It is here while seeking a passage beneath the mountains that Gandalf fights the Balrog.

answer: The Mines of Moria

C. This is the southern land that stands as a bulwark against Mordor, from their chief city of Minas Tirith.

answer: Gondor

22. Name these German philosophers, for 10 points each:

A. This Existentialist differentiated between two forms of being, *Dasein* and *Vorhandensein*, in his masterpiece, *Sein und Zeit* (or *Being and Time*.)

answer: Martin Heidegger

B. This woman, who had an affair with Heidegger, discussed Nazism and Stalinism in works like *The Origins of Totalitarianism* and *Eichmann in Jerusalem*.

answer: Hannah Arendt

C. Heidegger barred this man, his mentor, from working at Göttingen because of his Jewish heritage, and developed his theory of phenomenology in directions he never intended.

answer: Edmund Husserl