

CARLETON DIONYSIAN

(Sarah Horowitz, Simone Kahmeyer, Keith Purrington, Kyle Willett)

Fabulous Unnamed Chicago Tournament II: The Rage

May 3, 2003

TOSSUP QUESTIONS

1. She and her brother Alan combined to write a recent bestselling memoir of their childhood on a cattle ranch in the American southwest, *Lazy B*. This she has now followed with a new book, *The Majesty of the Law*, a collection of ruminations on the U.S. Constitution and related legal topics. For 10 points--name this jurist now widely viewed as a leader of the centrist block in the current configuration of the U.S. Supreme Court.

answer: Sandra Day O'Connor

2. Its numbers are divided into three themes: spring, tavern-life, and love. In 1953 it was itself incorporated into a three-part dramatic presentation called *Trionfi*--sixteen years after its composer originally orchestrated this song-group subtitled "Secular Songs for Soloists and Chorus with Accompanying Instruments and Magic Tableaux." For 10 points--name this setting of medieval songs beginning with an appeal to the goddess of fate and fortune, the most popular composition of Carl Orff.

answer: Carmina Burana

3. It is a triple-star system whose third component, discovered in 1915, orbits about the common center of mass of the system. Considered the third-brightest star in the night sky, it has alternatively been known as Rigil Kentaurus. For 10 points--name this star system whose third component, approximately 4.28 light years away, is--after the sun--the closest star to Earth, hence that component's appellation "Proxima."

answer: Alpha Centauri (accept Rigil Kentaurus early)

4. He is shown triumphing over captive chiefs in carvings accompanying the Behistun inscription, whose deciphering was the key to reading all cuneiform text. His reign, which began after the fall of the imposter claiming to be Smerdis, included the rebuilding of the temple in Jerusalem and war against the Scythians, but he is probably better known for the aftermath of the Ionian revolt which led to his invasion of Greece. For 10 points--name the Persian whose armies were defeated at Marathon.

answer: Darius I (or Darius the Great or Darius Hystaspis)

5. Force 316, better known as "The Plastic and Destructions Co., Ltd.," comprises a crack team of three men--Warden, Shears, and Joyce--out to destroy the title object. The three live for weeks in the jungle, carrying out reconnaissance and observing the labor of Englishmen under the direction of Colonel Nicholson. A French novel set in Thailand, this is--for 10 points--what 1952 book about prisoners-of-war put to work by the Japanese during World War II, written by Pierre Boulle?

answer: The Bridge over (or on) the River Kwai (or Le Pont de la riviere Kwai)

[Note: English translation published in the U.S. with "over" in the title, but with "on" in both British publication and as the title of the subsequent film, so accept either.]

6. Formally constituted as an organization for worship of the Muses, it was headed by a scholarch elected by members for life. Lasting for nine centuries, until A.D. 529 when it was closed by order of the emperor Justinian, it was associated in its heyday with such figures as Xenocrates, Arcesilaus, and Carneades. For 10 points--name this college of philosophy founded in the northwestern outskirts of Athens by Plato.

answer: Academy (or Academeia)

7. His Nobel prize was awarded for development of tuberculin as a test for tuberculosis. This came the year after he stepped down from directing the Institute for Infectious Diseases that had been founded specifically for him in 1891, while he filled a professorship at the University of Berlin. For 10 points--identify this discoverer of the bacterial agents responsible for several diseases, starting in 1876 with anthrax.

answer: (Heinrich Hermann) Robert Koch

8. According to this theory, the two sentences "Keith answered the tossup" and "The tossup was answered by Keith" are derived from the same underlying form, termed "deep structure." Deep structure can be represented in the form of a hierarchical tree diagram showing the abstract grammatical relationships between the words and phrases within a sentence. For 10 points--name this system of grammar developed in the 1960s by Noam Chomsky.

answer: transformational grammar

9. Located in the valley of the Itchen river, it was formerly the capital of Anglo-Saxon Wessex. Sir Thomas Malory identified it with Camelot, and a round table hung in its castle is sometimes identified as Arthur's. Samuel Wilberforce and Izaak Walton are buried alongside Saxon kings in its famed cathedral, as is novelist Jane Austen. For 10 points--name this city of southern England, the administrative center of Hampshire.

answer: Winchester

10. The first was a former British supply sloop that was eventually run aground on Lake Champlain. The third was a schooner that defeated the *HMS Brig Boxer* in the War of 1812. The seventh was an aircraft carrier in the South Pacific theater of World War II that became that war's most decorated U.S. ship. For 10 points--give the common name of these ships, which also now include an eighth, the world's first nuclear-powered aircraft carrier.

answer: USS Enterprise

11. The nineteen-year-old author dedicated this poem to W.E.B. DuBois, and it was first published in the NAACP journal *The Crisis*. In it, four examples of the title object are cited, and the author knows them to be "ancient as the world and older than the flow of human blood in human veins. The author's soul has grown deep like the title objects in--for 10 points--what short poem by Langston Hughes?

answer: The Negro Speaks of Rivers

12. A proton has been conjectured to be a product of a heavier sigma hyperon and one of these particles. It must inherently be an antigravity particle, since it is conjectured to have negative or imaginary mass, and also has negative energy, aspects of particle physics of which no proven evidence exists. Attempts to detect them have so far proved fruitless. For 10 points--name this particle, a mainstay of time-travel in science fiction theorized to move faster than the speed of light.

answer: tachyon

13. The great festival of this god at spring equinox was called *zgmuk*, when his resurrection took place at Esagila. His consort was Sarpanitu, and his name literally means "bull calf of the sun." The object of a cult that flourished under Hammurabi, he was hailed as the creator of mankind. For 10 points--name this leader of the Babylonian pantheon whose deeds included vanquishing the she-demon Tiamat.

answer: (Bel) Marduk

14. A 1978 Emmy went to its creators Radford Stone, Tom Yohe, David McCall and George Newall. Many of its best numbers were written by Lynn Ahrens, including "The Preamble" and "Interjections!", while Bob Dorough was responsible for others including the original song that launched the series, "Three is a Magic Number." For 10 points--what former ABC Saturday morning feature gave the world such educational music as "Interplanet Janet," "Conjunction Junction," and "I'm Just a Bill!"?

answer: (ABC) Schoolhouse Rock

15. After delivering Arnold of Brescia into the hand of Pope Adrian IV he was confirmed as Holy Roman Emperor, but he was excommunicated for a time by the next pope, Alexander III, who supported the Lombard League in alliance against him. In 1190 he drowned crossing a river in the Third Crusade--though folk legend says he merely sleeps and will one day awake to restore his empire to greatness. For 10 points--name this German king nicknamed for his facial hair.

answer: Frederick I or Frederick Barbarossa (or Friedrich I or Friedrich Barbarossa)

16. It begins with several paragraphs about St. Theresa and the problems that modern Therasas encounter because the world they live in is so different. The heroine is one of these modern Therasas, and she makes her disastrous marriage because she thinks that in helping her husband with his scholarship she will do something important with her life. The ill-advised union of the pedantic Reverend Edward Casaubon with Dorothea Brooke is at the center of--for 10 points--what "study in provincial life" by George Eliot?

answer: Middlemarch: A Study in Provincial Life

17. By age 16 he had been nicknamed the "Vestris of the North," in reference to an 18th-century French dancer, and he was eventually buried next to Vestris's Parisian grave. Though he lived until 1950, his career was ended in 1919 by insanity. For 10 points--name this onetime principal dancer of Diaghilev's Ballets Russe and choreographer himself of *The Rite of Spring* and *The Afternoon of a Faun*.

answer: Vaslav Nijinsky

18. Cyclic ones are prepared through Dieckmann condensation, while the Friedel-Crafts reaction produces aromatic ones. Generally less reactive than aldehydes, they are often used in flavoring and perfumery due to their characteristic odors. For 10 points--identify this descriptor for any of a class of chemical compounds that includes the simplest, acetone.

answer: ketone

19. This town is famed as the birthplace of two men born eight hundred years apart, in the 12th and 20th centuries, the latter of whom frequently likened himself to the former as a doughty warrior who thwarted western Crusaders. For 10 points--what birthplace of Saladdin on the west bank of the Tigris River later became the hometown and power base of Iraqi dictator Saddam Hussein?

answer: Tikrit

20. According to his best man, Stephen Fry, he "hasn't got an ounce of show-biz in him." Born in Newcastle-upon-Tyne in 1955, his early comedy may be seen in the 1977 video *Monty Python Meets Beyond the Fringe*. He was the voice of Zazu in Disney's *The Lion King*, and more recently appeared as Emile Mondavariou in 2002's *Scooby-Doo*, but his major work originated on television. For 10 points--name the British actor and comedian best known for his various roles in the *Blackadder* series and as the bumbling Mr. Bean.

answer: Rowan (Sebastian) Atkinson

21. Many in Massachusetts viewed it as a manifestation of divine judgment when in 1643 this religious liberal was killed on Long Island by Native Americans, along with servants and all but one child. Convicted in 1637 of "traducing the ministers," and refusing to recant, excommunication and banishment followed, leading to a role in helping to found what is now Portsmouth, Rhode Island. For 10 points--name this antinomian opponent of John Winthrop, born in England with the maiden name "Marbury."

answer: Anne (Marbury) Hutchinson

22. Using the pseudonym Honorio Bustos Domecq, he collaborated with Adolfo Bioy Casares on detective stories published in 1942 as *Six Problems for Don Isidro Parodi*. Seven years before, he had published his *Universal History of Infamy*. Later, while professor of English and American literature at the University of Buenos Aires, he was appointed honorary director of the Argentine national library. For 10 points--name this author whose work is collected in such volumes as *Dreamtigers* and *Ficciones*.

answer: Jorge Luis Borges

23. It began by using an atomizer to spray a fine mist into a chamber. By measuring the terminal velocity of each particle, the mass of each droplet could be located. Then, an electric field was applied the chamber in varying directions and the velocity of the droplets while moving up and down were measured. Using this data as well as the known constant e/m , the experimenter could measure the multiples of electric charge on the droplets. For 10 points--identify this experiment proving the quantization of the fundamental electric charge, named for an American physicist.

answer: Millikan oil-drop experiment

24. The first casting of it was mounted on a discrete conical support, but the most famous version now rests on what is termed "an organically irregular stem." An early marble version was completed in 1931, while the current version in the Guggenheim was cast sometime between 1932 and 1940. First seen as part of the artist's "Maidstra" series, for 10 points--name this brass abstract sculpture created by Constantin Brancusi.

answer: Bird in Space

25. A 1970 study by Ronald and Evelyn Rohner and 1981 study by Stanley Walens only added to the already rich ethnographic record concerning these indigenous people of northern Vancouver Island and adjacent parts of British Columbia. The extent of scholarly interest they have engendered is primarily due to the sustained attention given their culture over a fifty year period by pioneer anthropologist Franz Boas. For 10 points--name these Indians of the Pacific Northwest linked culturally and linguistically with their southern neighbors, the Nootka.

answer: Kwakiutl

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BONUS QUESTIONS

1. For 10 points each--name these explorers of Africa:

A. The Carthaginian who led a 60-vessel voyage down Africa's west coast around 480 BC, founding towns on Morocco's Atlantic coast before reaching at least as far south as Sierra Leone.

answer: Hanno

B. The navigator whose 1488 expedition was the first European voyage to round the Cape of Good Hope.

answer: Bartolomeu Dias (or Bartholomew Diaz)

C. After becoming a French citizen in 1874, this Italian explored the Upper Congo and then became commissioner general of French Congo.

answer: Pierre Paul François Camille Savorgnan de Brazza (or Pietro Paolo Savorgnan di Brazza)

2. In Tim Burton's film *The Nightmare Before Christmas*, the characters Lock, Shock, and Barrel are spooky trick-or-treaters who set out to capture "Sandy Claws." For 10 points each--

A. Lock was voiced by what former children's TV show host who lost his job after being arrested on charges of public indecency?

answer: Paul Reubens or Ruebenfeld (prompt on "Pee-Wee Herman")

B. Shock was voiced by what former mainstay of SCTV perhaps best remembered as Macaulay Caulkin's mother in the *Home Alone* movies?

answer: Catherine O'Hara

C. Barrel was voiced by what composer of the film's music, a founding member of Oingo Boingo whose other musical credits include the theme to *The Simpsons*?

answer: Danny Elfman

3. Identify these knights from Arthurian legend, for 10 points each:

A. He is the knight that returns the sword Excalibur to the Lady of the Lake.

answer: Sir Bedivere

B. Arthur is mortally wounded by this knight, usually identified as his nephew.

answer: Sir Mordred

C. The son of King Pellinore, he was the original hero of the Grail quest.
answer: Sir Percival

4. 30-20-10. Name the city.

A. Its educational institutions include Ryerson University and the Pontifical Institute for Medieval Studies.

B. Its leading newspapers include the *Sun*, the *Star*, and the *Globe and Mail*.

C. Prominent buildings include the Skydome and CN Tower.
answer: Toronto, Ontario

5. Identify these terms from basic chemistry, for 10 points each:

A. This is the process of chemical analyses in which a solution of a known concentration is progressively added to react to a solution of unknown concentration.

answer: titration

B. This name is given the energy required to remove an electron from a specific atom.

answer: ionization energy

C. This name is given the type of reaction in which a substance gains at least one electron.

answer: reduction reaction

6. Identify these buildings of notable modern architecture, for 10 points each:

A. Designed by Daniel H. Burnham's firm to fit a three-way Manhattan intersection, it forms a triangle suggesting the shape of the household item for which it is named.

answer: Flatiron Building

B. In 1916 Frank Lloyd Wright designed this Tokyo structure as a Japanese-Western hybrid. Demolished in the 1960s, its entrance lobby has been reconstructed at Nagoya.

answer: Imperial Hotel

C. Paul Allen commissioned Frank Gehry to create this participatory museum of music in Seattle dedicated to Jimi Hendrix.

answer: the Experience Music Project

7. Name these things about the development of printing, for 10 points each:

A. The first pieces of writing printed in moveable type were printed by Gutenberg in this city.

answer: Mainz

B. This is the term for the "cradle" period of books printed before 1500.

answer: incunabula

C. In 1475 this man produced the first book printed in the English language, and in 1477 he brought out the first dated book actually printed in England.

answer: William Caxton

8. For 10 points each--answer the following about Peter Pan's home, the Neverland, as related by author J. M. Barrie:

A. Anchored just offshore of the Neverland is this fearsome pirate vessel, captained by the notorious James Hook.

answer: the Jolly Roger

B. This tribe of Indians, with a now politically-incorrect name, becomes allies with the Lost Boys after Peter saves Tiger Lily's life.

answer: the Piccaninny tribe or Piccaninnies

C. This avian, who roosts near Marooner's Rock, gives her nest to save Peter from drowning, and Peter gives her the pirate Starkey's hat in exchange, as a new floating nest.

answer: the Never bird

9. It involves the notion that a whole may be greater than the sum of its parts. For 10 points each--

A. What name meaning "form" or "shape" is given to this brand of psychology?

answer: gestalt

B. Gestalt psychology arose partly out of the discovery of this phenomenon, named for a Greek letter, in which passing visual stimuli rapidly in front of a subject creates an illusion of movement.

answer: phi phenomenon.

C. This Prague-born discoverer of the phi phenomenon is considered a co-founder of Gestalt psychology along with Kurt Koffka and Wolfgang Köhler.

answer: Max Wertheimer

10. At a ceremony in Athens in April 2003, ten nations signed treaties that will bring them into the European Union in 2004. For 10 points each--

A. The wealthiest of the ten, though still below the EU average, is this nation long troubled by conflict between north and south, where approximately 18% of the population is Muslim.

answer: (Republic of) Cyprus

B. This nation's refusal to revoke the Benes decrees, which authorized expulsion of Germans after World War II, was a sticking point in its push for EU membership.

answer: Czech Republic

C. This smallest of the ten new EU nations--only about twice the size of Washington, D.C.--is the only one that was formerly a member of the British Commonwealth.

answer: (Republic of) Malta

11. It was originally proposed that X-rays were electromagnetic waves produced by the deceleration of electrons striking an anode. For 10 points each--

A. Give the term that describes this type of radiation, German for "braking radiation."

answer: bremsstrahlung

B. Name the father-son team of British Nobel laureate physicists who developed the use of crystals as X-ray diffraction gratings.

answer: Sir William Henry and William Lawrence Bragg (or "the Braggs")

C. On the electromagnetic spectrum, X-rays fall between ultraviolet and these waves with the highest photon energy and shortest wavelength.

answer: gamma rays

12. Two members of Franklin Roosevelt's cabinet served in their positions throughout FDR's entire presidency of 1933 to 1945. For 10 points per answer--

A. Name these two, the Secretaries of Labor and the Interior.

answer: Frances Perkins and Harold LeClaire Ickes

B. The next-longest-serving member of FDR's cabinet was what Secretary of State from 1933 to 1944?

answer: Cordell Hull

13. Picasso had his "Blue" period, but which other artists painted:

A. For 5 points--1770's *The Blue Boy*?

answer: Thomas Gainsborough

B. For 10 points--1907's *The Blue Nude*?

answer: Henri Matisse

C. For 5 points--1911's *The Blue Rider*?

answer: Wassily Kandinsky

D. For 10 points--1953's *Blue Poles*?

answer: Jackson Pollock

14. Roland Michell and Maud Bailey are young scholars researching the lives of two Victorian poets who, it turns out, had themselves been secret lovers. For 10 points each--

A. Name this Booker Prize-winning novel.

answer: Possession: A Romance

B. This sister of novelist Margaret Drabble is the author of *Possession*.

answer: A(n)tonia S(us)an Byatt

C. This character in *Possession* is the fictional author of poetic masterpieces such as *Ragnarok* and *Ask to Embla*.

answer: Randolph Henry Ash

15. When Tom Kelly retired as manager of the Minnesota Twins, this man became the longest-tenured coach in American professional sports. For 10 points each--

A. Who has coached the Utah Jazz since 1988?

answer: Jerry Sloan

B. Currently the longest-tenured baseball field manager is this man, who works with the longest-tenured general manager, John Schuerholz.

answer: Bobby Cox (of the Atlanta Braves)

C. Currently the longest-tenured pro football coach is this eleven-year incumbent who in 1995, at age 38, became the youngest coach ever to lead his team to a Super Bowl.

answer: Bill Cowher (of the Pittsburgh Steelers)

16. Name these volcanoes, for 10 points each:

A. The world's tallest structure, if measured from its sea floor base, this Hawaiian shield volcano contains many active craters, the largest of which is Kilauea.

answer: Mauna Loa

B. A new book by Simon Winchester summarizes the devastating 1883 explosion and total destruction of this volcanic island in the Sunda Strait between Java and Sumatra.

answer: Krakatoa

C. Great as it was, the force of the Krakatoa explosion was only a fraction so powerful as that which once devastated this Greek island, possibly ending the Minoan civilization on nearby Crete.

answer: Thera or Santorini (or Thíra or Santorin)

17. Name these hormones that regulate metabolism, for 10 points each:

A. Secreted by the pancreas, it signals the fasting state and shuts down glycolysis and fatty acid synthesis while activating gluconeogenesis.

answer: glucagon

B. Also secreted by the pancreas, it signals the fed state and triggers fuel storage and protein synthesis.

answer: insulin

C. Secreted by the adrenal medulla and the sympathetic nerve endings, it signals low blood sugar and triggers the release of glucose from storage; its effect is primarily in the muscle.

answer: epinephrine or norepinephrine

18. Pope Innocent III approved the formation of this religious order in 1209. For 10 points each--

A. Name this order, whose adherents wear knotted cords about their waists representing vows of poverty, obedience, and chastity.

answer: Franciscans (or Order of St. Francis)

B. This order of nuns associated with the Franciscans was founded by its namesake saint with the help of Francis. It requires a life of contemplation and penance.

answer: Poor Clares

C. This specific order of Franciscan friars was founded in the 1520s by Matteo di Bascio. Their name comes from Italian for "hooded ones."

answer: Capuchins

19. Name these related people from Greek mythology, for 10 points each:

A. The king of Sparta, his stolen wife launched the Trojan War.

answer: Menelaus

B. The daughter of Menelaus and Helen, she was twice married, the second time to Orestes, the son of Agamemnon.

answer: Hermione

C. Hermione was also married to this son of Achilles, eventually killed by Orestes.

answer: Neoptolemus

20. Name the opera from characters, for 10 points each.

A. Violetta Valery, Gaston, Alfredo Germont

answer: La Traviata

B. Xenia, Feodor, Prince Shuisky

answer: Boris Godunov

C. Herodias, Narraboth, Herod

answer: Salome

21. The end result of the 1824 presidential election was that John Quincy Adams went to the White House despite finishing second both by popular vote and electoral vote. For 10 points each--

A. What candidate received initial pluralities of both popular and electoral votes in the election?
answer: Andrew Jackson

B. Henry Clay ran third in the popular vote, but fourth in electoral votes. What Georgian was third in the electoral college?
answer: William Crawford

C. With no candidate receiving an electoral college majority, the result was decided by the House of Representatives--under the provisions of which Constitutional amendment?
answer: Twelfth (12th)

22. A Cambridge-educated Indian, his award recognized work in the field of welfare economics. For 10 points each--

A. Name this recipient of the 1998 Nobel prize in Economics.
answer: Amartya Sen

B. Working with Prasanta Pattanaik, Sen specified the general conditions that eliminate intransitivities of this, the most common form of making collective decisions.
answer: majority rule (accept equivalent answers)

C. Sen's earlier work on development economics in Third World countries resulted in this 1981 book with a three-word title, challenging the view that food shortage is the sole cause of famines.
answer: Poverty and Famines: An Essay on Entitlement and Deprivation

23. "Tough Guys Don't Dance," according to Norman Mailer, but, for 15 points each--identify:

A. The 1960 play, written for Nigerian independence celebrations, which first made the reputation of Wole Soyinka.
answer: A Dance of the Forests

B. The collective name, taken from a Nicolas Poussin painting, for Anthony Powell's celebrated twelve-novel series about Britain from the 1920s to the '70s.
answer: A Dance to the Music of Time

24. Given a pair of former leaders since World War II, name the country, for 10 points each.

A. Ramon Magsaysay, Fidel Ramos
answer: (Republic of the) Philippines

B. Ibrahim Babangida, Sani Abacha
answer: (Federal Republic of) Nigeria

C. Michael Manley, Edward Seaga
answer: Jamaica

25. An infinite series expands some function $f(x_0 + h)$ by starting with the function $f(x)$ itself and then adding successive derivatives multiplied by factorial coefficients. For 10 points each--

A. What name is given this type of series?
answer: Taylor series

B. This specialized version of a Taylor series simply sets $x_0 = 0$ and $h = x$ from the outset.
answer: Maclaurin series

C. All or nothing, give the first three terms of the Taylor expansion of e^x .
answer: $1 + x + x^2/2!$