

The Fabulous Unnamed Chicago Tournament II: The Rage, 2003  
Tossups by Michigan

1. One album by this name was released in 1972 by the folk rock band Medicine Head. On the more famous version, Wings guitarist Henry McColluch says "I don't know. I was really drunk at the time" on the fifth track. Ending with Abbey Road doorman Jerry Driscoll saying "Matter of fact, it's all dark," this album includes the tracks "Any Colour You Like," "Speak to Me," and "Brain Damage." FTP, name this 1973 Pink Floyd masterpiece.

Answer: Dark Side of the Moon

2. He stated that Shakespeare and Dante had corrupted literature thanks to "abundant sentiment" and "compromise with the Church," respectively, in his preface to *The King of the Great Clock Tower*. His 1917 marriage to Georgie Hyde-Lee led to a book on marriage therapy and the occult entitled *A Vision*. "Three Marching Songs" and "Tara's Hill" are both contained in his 1939 *Last Poems*. FTP, name this poet of "Leda and the Swan," "Sailing to Byzantium," and "Easter 1916".

Answer: William Butler Yeats

3. First observed by Jan Ingenhousz, its distribution function can be derived using the Langevin formula and the Stokes flow for a sphere, relating displacement to temperature, Boltzmann's constant, and mobility, which can be related to diffusion by the Einstein relation. Perrin used a random-walk model of it to get a more accurate value of Avogadro's number. FTP, what is this effect found by its namesake in pollen grains, the macroscopic movement of particles via the random movement of microscopic particles?

Answer: Brownian motion

4. Born Michael Yuhanna, his current name means "glorious past." A onetime editor of the newspapers al-Jamaheer and al-Thawra, he survived an Iran-backed attempt on his life in 1980. He is considered an oddball because he is a Christian and does not belong to the Tikriti clan. FTP, identify this former Iraqi Deputy Prime Minister and foreign minister during the first Gulf War.

Answer: Tariq Aziz

5. This dynasty's military power began to wane following a defeat to the Arabs at Talas. Its capital was at Chang'an, and it witnessed the development of Buddhism into a permanent aspect of Chinese culture. Writing was made more accessible with the advent of block printing, and the selection of learned Confucian scholars to government positions was improved through a refined civil service exam. FTP, name this Chinese dynasty that lasted from AD 618 to 907.

Answer: Tang Dynasty

6. After the completion of later masterpieces such as his seventh symphony and the tone poem *Tapiola*, he ended his career and published no music for the last thirty years of his life. His only opera, *The Maiden in the Tower*, was not published in his lifetime, and other tone poems include *The Dryad*, *Night Ride* and *Sunrise*, and the *Oceanides*. FTP, identify this composer of the *Karelia* suite, *Lemminkainen's Homeward Journey*, the *Swan of Tuonela*, and the nationalist epic *Finlandia*.

Answer: Jean Sibelius

7. Like Alzheimer's disease, its symptoms may result from long glutamine-rich proteins becoming entangled with each other. Microsatellite instability of a certain region on chromosome 4 is the genetic cause of this disorder, one of whose symptoms is uncontrollable movements. Because its symptoms do not manifest themselves until between the ages of thirty and fifty, it is often passed unknowingly to offspring. FTP, name this neurodegenerative disorder; sometimes referred to as a chorea, which famously afflicted Woody Guthrie.

Answer: Huntington's disease (or Huntington's Chorea)

8. One character in this work is a homeless man called "the captain," and another, Lola, works with the title character as a chorus girl. Several other friends, the gossip Mrs. Hale and the wealthy Mrs. Vance, arouse the main character's disgust at her love interest's lack of money. The titular female's lover is already married to Julia, with whom he has sired George and Jessica. Prominently featuring George Hurstwood, FTP, identify this Dreiser novel whose title character eventually becomes an actress.

Answer: Sister Carrie

9. On the upper walls, a variety of blurry images, possibly other paintings or tapestries, can be seen. A man exits through a staircase in the rear of the painting, and to his left is a mirror reflecting the images of the king and queen, who are probably being painted by the man on the far left, a self-portrait within the larger work. To the right we can see a nun, and in front of her, surrounded by several playthings, including a dog, several attendants, and a dwarf, is the Infanta Margarita. FTP, identify this masterpiece of Diego Velazquez.

Answer: Las Meninas (accept "Maids of Honor")

10. This man's 11-year-old son died in a train wreck two months before he entered the White House. After serving as a congressman and speaker of his state legislature, he turned down an offer to become James Polk's attorney general, later leading troops as a brigadier general in the Mexican War and returning to office in New Hampshire. FTP, name this Democrat whose term in office saw the Gadsden Purchase and the Kansas-Nebraska Act, the predecessor of James Buchanan.

Answer: Franklin Pierce

11. When air bubbles become trapped in this type of rock, the sheen or rainbow type may result, and the specimens known as Apache's Tears are nuggets that have naturally been smoothed by wind or water. Inclusion of the mineral cristobalite produces a characteristic snowflake pattern. It is often confused with smoky quartz because of its color and its identical chemical composition, but it does not have quartz's piezoelectric or optical properties. FTP, identify this mineraloid also known as volcanic glass.

Answer: obsidian (accept volcanic glass before it is mentioned)

12. Cyrus L. Sulzberger wrote a letter to its author condemning the title character's implication that Jews drive down property values. Published serially in the *Century Illustrated Monthly Magazine* from 1884 to 1885, it begins with the title character's interview with Bartley Hubbard. The title character's wife, Persis, can't prevent his daughter, Penelope, from running off to

Mexico with her new husband, Tom Corey. Centering on a Vermont businessman who loses his money in Boston, FTP, name this most famous work of William Dean Howells.

Answer: The Rise of Silas Lapham

13. A sweet weapon in the PC game *Rise of the Triad* bore its trademark. The first was allegedly created for Pete Browning in 1884 and made in Falls City. Produced by the Hillerich & Bradsby Company, Honus Wagner became the first professional athlete to endorse a retail product when he endorsed this brand. Tollbooth Willy threatens to "Carlton Fisk your fuckin' head" with one of these items. FTP, name this popular brand of wooden baseball bat, produced in a Kentucky city.

Answer: Louisville (fuckin') Slugger

14. Its navigable tributaries include the Berezina and the Pripyet rivers on the east bank and the Sozh and Desna rivers on the west. The Berezina and Oginski canals allow passage from it to the Baltic Sea. Rising in the Waldai Hills, it runs through the cities of Smolensk and Mogilev before emptying into the Black Sea. FTP, name this river of Belarus and the Ukraine which passes through Kiev.

Answer: Dnieper River

15. The Mamprussi, Dagomba, and Gonja tribes are among the peoples descended from this empire's inhabitants. Its great wealth was explained by the tale of the snake Bida, who gave the people gold in return for the annual sacrifice of virgins. Its major commercial centers included Audaghost and the capital, Kumbi Saleh, before the empire was destroyed by the Almoravids and eclipsed by Mali. FTP, name this medieval African empire that shares its name with a modern-day African nation.

Answer: Ghana (or Wagadugu before the final word)

16. Marsh's test uses its formation and ready decomposition, while Dr Fowler's Solution, a popular cure in Victorian times, contained this element in combination with potassium. It is often used as a doping agent in semiconductors or alloyed with gallium in lasers. Its trioxide is now in clinical trials as a leukemia therapy, but it's more commonly known as a toxin. FTP, name this element used in rat poison with symbol As.

Answer: arsenic

17. Runes that are often used in this deity's name are Berkana, Ehwaz and Gebo. This deity's house is Fensalir, or "water hills," which is where she may have had affairs with her brothers-in-law Ve and Vili. A member of the Aesir, she was also mother to Bragi, Hermod, Tyr, Vidar, and Thor, while two of her other sons were involved in an unfortunate incident with some mistletoe. The mother of Hoder and Balder, FTP, name this Norse goddess who is often compared with Freya, the patron of motherhood and marriage and wife of Odin.

Answer: Frigga

18. This man spent a year working at a boy's school created by Alfred Binet, where he created a standardized version of Burt's intelligence test. Thirty years after becoming the director of studies at the Rousseau Institute in 1921, he created the International Center for Genetic Epistemology. In his quest to determine how knowledge grew, he concluded that adult systems

of logic superseded less complex ones as children matured into adults, thereby formulating a four-stage theory of development. FTP, name this Swiss child psychologist.

Answer: Jean Piaget

19. The genre exemplified by this work eventually evolved into zuihitsu, a free-association technique known as "following the brush." The text is organized into sections that include the name of a category and the author's subsequent thoughts about that topic. The original version is thought to be about 500 years older than the oldest surviving copy. Including stories about Empress Teishi and her brother Korechika, FTP, identify this diary composed by Sei Shonagon.

Answer: The Pillow Book

20. The son of the governor of Corrientes province, he left for Europe in his teens to fight against the French in Spain, participating in the Napoleonic battle of Baylen. After returning home he formed the pro-independence Lautaro Lodge and an army unit known as the Mounted Grenadiers, with whom he won his first victory against the Spanish at San Lorenzo in 1813. FTP, name this Argentinian patriot, the victor at the battle of Chacabuco.

Answer: Jose de San Martin

21. One employee tried to buy a Ford Mustang with an official credit card, and two others diverted \$300,000 for personal use; the investigators who uncovered the abuse were fired, an action Spencer Abraham described as "incomprehensible." The Department of Energy recently invited bids to replace the University of California as its administrator. FTP, name this national laboratory in New Mexico which served as the center of the Manhattan Project.

Answer: Los Alamos National Laboratory



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Boni by Michigan

1. Name these battles from the Napoleonic Wars, FTPE:

A. Considered Napoleon's greatest victory, the French army left the Pratzen Heights open only to split the Russo-Austrian force and inflict over 27,000 casualties at this 1805 engagement.

Answer: Battle of Austerlitz (or Battle of the Three Emperors)

B. Blücher of Prussia, Schwarzenberg of Austria, and Bernadotte of Sweden overwhelmed the French force with over 400,000 men at this location in Germany in October of 1813.

Answer: Battle of Leipzig or Battle of the Nations

C. At this October 1806 victory for Napoleon, a French force inflicted 20,000 casualties on the Prussians led by Friedrich Hohenloe. It was said that Hegel completed his *Phenomenology of Spirit* as the nearby battle was taking place.

Answer: Battle of Jena

2. Name these poems of John Donne from lines, FTPE:

A. "Yet this enjoys before it woo/And pampered swells with one blood made of two/And this, alas, is more than we would do."

Answer: The Flea

B. "If they are two, they are two so/As stiff twin compasses are two/Thy soul the fixt foot, makes no show/To move, but doth, if th'other do"

Answer: A Valediction Forbidding Mourning

C. "Saucy pedantic wretch, go chide/Late school-boys and sour prentices/Go tell court huntsmen, that the king will ride/Call country ants to harvest offices."

Answer: The Sun Rising

3. Name these female saints, FTPE.

A. With her sister-in-law, Rebecca, this first American-born saint went on missions of mercy ironically called "Protestant Sisters of Charity."

Answer: Saint Elizabeth Ann Seton

B. Criticized as a child for her love of wine, this saint eventually married and converted the pagan Patricius. She's best known for being the mother of St. Augustine.

Answer: Saint Monica

C. This saint offered Christ a towel when she accompanied him to Calvary. The apocryphal Acts of Pilate identify her with Haemorrhissa, a woman who was cured according to the Gospel.

Answer: Saint Veronica

4. Name some equations from chemistry, FTPE.

A. It assumes that the steric factor times the collision rate is constant in terms of changing temperature. Thus, by using this equation, one can simply approximate the relationship between the rate constant and the activation energy of a reaction.

Answer: Arrhenius Equation

B. Similar to the Arrhenius Equation, one can use this equation to estimate the vapor pressure of system at another temperature if the vapor pressure is known at a different temperature, and if the enthalpy of vaporization is known for the system.

Answer: Clausius-Clapeyron Equation

C. This equation, which describes osmotic pressure on one side of a membrane, is calculated by multiplying a gas constant by the temperature by the sum of solute concentrations.

Answer: Van't Hoff Equation

5. FTPE, identify the following football teams based on their performance in the 2003 draft.

A. This team allowed the clock to expire before taking their first round pick, passing on the seventh and eighth overall picks. They finally drafted tackle Kevin Williams.

Answer: Minnesota Vikings (accept either name)

B. This team took quarterback Carson Palmer with the first overall pick.

Answer: Cincinnati Bengals (accept either name)

C. This second year expansion team took wide receiver Andre Johnson with the third overall pick.

Answer: Houston Texans (prompt on Houston)

6. Name these theorems from calculus, FTPE:

A. This theorem states that for three functions,  $f(x)$  less than or equal to  $g(x)$  less than or equal to  $h(x)$ , all evaluated at a point  $p$ , if  $f(p)$  and  $h(p)$  have a limit of  $L$ , then  $g(p)$  also has a limit of  $L$ .

Answer: squeeze theorem or pinching theorem or sandwich theorem

B. This theorem, named for the author of an early calculus textbook who did not discover it, helps evaluate limits of quotients of terms each tending to zero or infinity.

Answer: L'Hopital's theorem

C. This simple but important theorem states that for a continuous interval  $[a, b]$ , a function  $f$ , and a value  $d$  between  $f(a)$  and  $f(b)$ , there exists a value  $c$  such that  $f(c) = d$ .

Answer: Intermediate value theorem

7. Identify the following things pertaining to linguistics, FTPE:

A. This event, which allegedly took place between the 15th and 18th centuries, included

such steps as "A moves forward" and "E moves up to I."

Answer: Great Vowel Shift

B. Created by Kingsley Read and named after a playwright, this alphabet includes tall, deep, and short letters, and proper names are denoted by a "namer dot."

Answer: Shavian Alphabet

C. The eye doctor Ludwig Zamenhoff invented this language in 1887.

Answer: Esperanto

8. Name these American colonial governors, FTPE.

A. This former aide to Eugene of Savoy, who was once imprisoned after a bar-room brawl, set up the colony as Georgia as a haven for debtors.

Answer: James Oglethorpe

B. This author of "The Soul's Preparation for Christ" and "The Christian's Two Chief Lessons" was the founder of Connecticut.

Answer: Thomas Hooker

C. This man and Sir Fernando Gorges were granted the land between the Merrimack and Kennebec Rivers. He used his portion to found New Hampshire.

Answer: John Mason

9. Identify these seas of the western Pacific, FTPE:

A. This northern sea is bounded by Kamchatka, the Kurile Islands, Sakhalin, and the Japanese island of Yezo.

Answer: Sea of Okhotsk

B. Located between China and Korea, this sea's greatest depth is 500 feet. The Po Hai, one of its inlets, receives the waters of a namesake river.

Answer: Yellow Sea or Hwang-hai

C. Bordered by the Sulu Archipelago, the Philippine island of Mindanao, Borneo, and its namesake oddly-shaped island, it is connected to the Java Sea by the Makassar Strait.

Answer: Celebes Sea or Laut Sulawesi

10. Identify the following characters from Chinua Achebe's *Things Fall Apart*, FTPE:

A. The main character of the novel, he is temporarily exiled from his tribe and upon his return, sees the growing influence of the white man in his society.

Answer: Okonkwo

B. Okonkwo is motivated by an intense desire to be nothing like this man, his father, who was an "unmanly" musician.

Answer: Unoka

C. Okonkwo fears that this boy, his son, is going to turn out as effeminate as Unoka was. He eventually furthers Okonkwo's anger by converting to Christianity.

Answer: Nwoye

11. Answer the following about a certain European royal house, FTPE.

A. What royal house ruled Portugal from the succession of John IV in 1640 until the establishment of a republic in 1910?

Answer: Braganza

B. Catherine of Braganza, a daughter of John IV, married this English king in 1662, eventually convincing him to convert to Catholicism and sign the secret Treaty of Dover.

Answer: Charles I

C. This member of the Braganza family, a son of John VI of Portugal, became Brazil's first monarch.

Answer: Pedro I

12. Identify these paintings of Rembrandt from descriptions, FTPE:

A. Perhaps his most famous work is this group portrait of a militia company, which features prominently a general in black and a lieutenant in yellow at his right. It is revolutionary for its use of chiaroscuro as a dramatic technique.

Answer: The Militia Company of Captain Frans Banning Cocq, the Night Watch

B. A group of seven Dutchmen watch over a cadaver as the title personage peels back a layer of flesh on the dead man's arm.

Answer: The Anatomy Lesson of Dr. (Nicolaes) Tulp

C. The title figure, dressed anachronistically in the contemporary garb of a wealthy Dutchman, lays his hands on the head of the title object and bears a thoughtful countenance.

Answer: Aristotle Contemplating the Bust of Homer

13. Everyone loves intestines. FTPE:

A. In order to increase the surface area of the intestinal lumen, the walls are covered in these small projections.

Answer: villi

B. Even though most cells on villi are absorptive epithelial cells, villi also contain these cells. Named for their resemblance to a drinking device, they secrete mucous in response to an irritant stimulus.

Answer: goblet cells

C. This hard ring of smooth muscle tissue is the boundary between the stomach and the small intestine.

Answer: pyloric sphincter or pylorus



14. Name these Mexican authors from works on a 15-10 basis.

15: Eagle or Sun?; A Drift of Shadows; Sun Stone; Conjunctions and Disjunctions.

10: Labyrinth of Solitude

Answer: Octavio Paz

15: Christopher Unborn, The Good Conscience, Myself With Others

10: The Death of Artemio Cruz, The Old Gringo

Answer: Carlos Fuentes

15. Name these gods associated with the sea in Greek mythology, FTPE.

A. This god, the son of Gaia and Pontus, was known as "The Old Man of the Sea," as he was god of the Mediterranean.

Answer: Nereus

B. This most famous Nereid was married to the mortal Peleus. She unsuccessfully tried to make her son immortal by dipping all but one part of him in the river Styx.

Answer: Thetis

C. Once a mortal fisherman of Boeotia, this dude ate some of Cronus's grass and got turned into a blue-haired merman who could deliver oracles.

Answer: Glaucus

16. Identify the architects of the following buildings or structures, FTPE:

A. Dulles Airport in Chantilly, Virginia; Kresge Auditorium in Cambridge, MA; the TWA Terminal in New York City

Answer: Eero Saarinen

B. The Glass House in New Haven, Connecticut; Pennzoil Place in Houston; the Garden Grove Church in Los Angeles

Answer: Philip Johnson

C. The Baker Dormitory at MIT; the Riola Parish Church in Italy; the House of Culture in Helsinki, Finland

Answer: Alvar Aalto

17. Answer the following about a certain literary movement, FTPE.

A. This German movement took its name from the title of a Maximilian Klinger play and included such authors as Lenz, Schiller, and Goethe.

Answer: Sturm und Drang (accept Storm and Stress)

B. This Goethe work, an example of Sturm und Drang, is taken from the memoirs of a German knight who wore an iron hand after he lost his right hand at the battle of Landshut.

Answer: Götz von Berlichingen

C. This trilogy of Sturm und Drang works by Friedrich Schiller is based on the fall of one of Ferdinand II's generals in the Thirty Years War.

Answer: Wallenstein

18. Answer the following about optics, FTPE:

A. This law states that the angle at which incident light is completely refracted at a boundary is equal to the arctangent of the ratio of the indices of refraction of the two materials.

Answer: Brewster's Law

B. Used to redirect light without loss, it occurs when light hits an interface from a medium of higher index of refraction to one of lower with angle to the normal larger than the critical angle.

Answer: total internal reflection

C. This law states that, for polarized light passing through an analyzer, the intensity of the light is equal to the product of the maximum intensity and the cosine squared of the angle with the first polarizer.

Answer: Malus's Law

19. Answer the following about a space mission, FTPE.

A. Name the British-built Mars lander due to be launched on the Mars Express Mission in summer 2003, named after the ship on which Darwin visited the Galapagos.

Answer: Beagle 2 (prompt on Beagle)

B. Colin Pillinger, the lead scientist for Beagle 2, is a professor at what British university famed for its distance education programs?

Answer: Open University

C. This band, better known for songs like "Song 2" and "Tender", composed a tune that will serve as a call sign for Beagle 2 once on the surface of Mars.

Answer: Blur

20. Name these Greek tyrants, FTPE.

A. This early Athenian tyrant is known for his harsh legal code, which punished debtors with enslavement to their creditors and sentenced many petty criminals to death.

Answer: Draco

B. This man took advantage of Solon's self-imposed exile by declaring himself tyrant of Athens, commissioning the construction of the Temple of Zeus and capturing the island of Salamis.

Answer: Peisistratus

C. Two sons of Peisistratus became the rulers of Athens after his death; they sponsored the poets Anacreon and Simonides and were overthrown by the Alcmaeonidae and Spartans. Name either one.

Answer: Hippias or Hipparchus