

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

1. P. R. Deltoid, a truant officer, spits in the face of the central character. F. Alexander is a counterpart to the main character; a radical writer, his wife is raped and killed before his eyes. The main character's musical taste shifts to lieder from symphonies over the course of the work. A form of aversion therapy, the Ludovico technique, is used to make Alex docile. Before this, he and his droogs would leave the Korova Milkbar to terrorize passersby. FTP, what is this Anthony Burgess novel made into a Stanley Kubrick film?

Answer: A Clockwork Orange

2. It has Wilson's theorem, giving necessary and sufficient conditions for primality, as a corollary. It was first stated in a letter to Fre'nicle in 1640 without a proof, which in 1736 was supplied by Euler. It states that: if  $p$  is a prime that is not a factor of  $a$ , then  $a$  to the quantity  $p$  minus 1 is congruent to 1 modulo  $p$ . FTP, name this theorem, which is lesser known but more widely used than its formulator's Last Theorem.

Answer: Fermat's Little Theorem

3. This company was founded by T.L. Williams in 1915, and in 1917, it produced the first eye cosmetic for everyday use, cake mascara. Its Ultra Lash mascara, originally produced in the 1960s, has become the best selling mascara in history under the name Great Lash. Though it was bought by L'Oreal in 1996, it continues to operate under its own brand name. FTP, this is what cosmetics company, that uses the slogan "Maybe she's born with it"?

Answer: Maybelline

4. At age 15 he got a job at the Virginia state chancery, where George Wythe—Thomas Jefferson's mentor in the law—requested him as his secretary. Elected to the Senate before he reached the minimum age of 30, he served alternately in the Senate, House, and state legislature before becoming House Speaker as the leader of the War Hawks. FTP, name this Kentucky politician whose fiery early career belied his later reputation as "the Great Compromiser."

Answer: Henry Clay

5. Some sources cite his favorite food as the cos lettuce, a phallic symbol that was sacred to the fertility god Min. Despite this proclivity, this god was childless, though his consort was the mother of Anubis. The red-haired pharaohs of the 19<sup>th</sup> dynasty were particularly devoted to him because of his war-like nature. However, he lost his most famous fight, which was against Horus. FTP, identify this brother and murderer of Osiris.

Answer: Seth (accept Set, Setekh, Setesh, or Seti)

6. Woodward and Pycraft participated in its discovery, as did Arthur Conan Doyle, who was a neighbor of its discoverer. Stephen Gould's essay "Revisiting" it blames Teilhard de Chardin and its discoverer, who was dead by 1953 when it was shown that the molars did not appear as they should; and it was only in 1982 that the involved jawbone was proven to be that of an orangutan. FTP, name this discovery of Charles Dawson, not the missing link between man and ape but a fantastic anthropological fraud.

Answer: Pitldown Man or Eoanthropus dawsoni

7. Spectators watch from midway between the fort and the title location. The main character had been a civilian, of a respected Alabama family, and eager to help out with the war by burning the title structure. As the story opens, he stands "looking down into the swift water twenty feet below." Miraculously, the rope breaks and he falls into the stream, escaping and traveling home to meet his wife. Unfortunately, this was all a fantasy. Peyton Farquhar is dead in, FTP, what short story by Ambrose Bierce?

Answer: An Occurrence at Owl Creek Bridge

8. Its ammonium oxide has a specialized use as a corrosion inhibitor. The longest-lived and first discovered isotope has a half-life of 2.6 million years, but the isotope known in stars and most readily available on Earth, with mass number 99, has a half-life of only 212,000 years. FTP, name this element discovered by Perrier and Segre, whose atomic number is 43 and which is not naturally found on Earth.

Answer: Technetium

9. It began after the discovery of 13 ships-of-the-line and 4 frigates under Admiral Francois-Paul Brueys. The two leading French ships, the *Courant* and the *Guerrier*, were then blasted by the *Goliath* and the *Zealous*, but could not return fire, and the British ship *Bellerophon* made for the French *L'Orient* at this battle in Aboukir Bay. For 10 points—name this August 1, 1798, naval battle in which Lord Nelson destroyed the French fleet and stranded the Army of the Orient in Egypt.

Answer: Battle of the Nile (accept early Aboukir Bay)

10. A town of this name lies in western Maryland near the Narrows of this name in the Allegheny Mountains, and was the earliest eastern terminus of the National Road. The highest point in Kentucky is in the namesake mountain range. The river of this name flows through Nashville before joining the Ohio River. FTP, give this name, whose most famous U.S. association is with a mountain pass near the Virginia-Tennessee-Kentucky border.

Answer: Cumberland

11. A native of Kampong Thum province, he worked on a rubber plantation and planned to become a Buddhist monk before winning a scholarship to study radio electronics in Paris. Born with the name Saloth Sar, he gravitated toward Maoism and seized power in 1975, announcing his "Year Zero" program of purifying his country of capitalism and all Western influences. FTP, name this Cambodian dictator responsible for millions of deaths as the leader of the Khmer Rouge.

Answer: Pol Pot (accept early "Saloth Sar")

12. His swing was based on that of Francis Ouimet, who gifted him with a putter he named "Calamity Jane". Though he retired at 28 and never had a lesson in his life, he won 13 majors in his career, including all four majors in a single year in 1930. The founder of the Masters championship is FTP, what Georgian who, with Alister Mackenzie, also designed the Augusta National Golf Course?

Answer: Robert Tyre "Bobby" Jones Jr.

13. From left to right, we see ten scenes from the first six books of the Bible, beginning with the story of Adam and Eve and ending with David's defeat of Goliath. These scenes were created using the lost-wax method, and among the characters of the Old Testament, the artist included portraits of himself and his son. The scenes appear in bronze panels, and include the famous "Sacrifice of Isaac." FTP, what name is given to these doors sculpted by Lorenzo Ghiberti, which formerly stood at the east entry of the Baptistry of the Duomo?

Answer: The Gates of Paradise (Also accept The Doors of Paradise; prompt on "Baptistry Doors" or similar on an early buzz)

14. A main character in this work tries to settle down with the bartender Tereza, but is drawn to the artist Sabina who is having an affair with a married professor, Franz. Tomas is forced to quit his lucrative, high-pressure job as a surgeon and become an indifferent window washer because he refuses to retract his statements about the Communist government in Czechoslovakia. This is just one of many comparisons of "heavy" and "light" situations in, FTP, what novel by Milan Kundera?

Answer: The Unbearable Lightness of Being (Also accept Nesnesitelná lehkost bytí)

15. Disruption of the biosynthesis of this amino acid is the basis for the Ames test. Sufferers of rheumatoid arthritis have low levels of this amino acid in their blood. It is frequently found in catalytic sites and coordination complexes because of its imidazole side chain, which allows it to act as either an acid or a base. FTP, identify this amino acid whose abbreviation is H.

Answer: histidine

16. It is a development of the GNAT-750 system and manufactured by General Atomics. A fully-staffed system requires 55 people for round-the-clock operation. It utilizes either a C-band line-of-sight link or a Ku-band satellite link, although the former must be used for landing. Capable of being armed with Hellfire anti-tank missiles, FTP, name this unmanned aerial vehicle designated the RQ-1.

Answer: Predator (accept RQ-1 until mentioned)

17. At the beginning of the story, he is a crippled shepherd boy and also, unfortunately, a chronic liar. He lies so often that his mother does not believe him when he tells her about a huge star that has appeared above their hut. However, his story is corroborated when three kings visit them in search of a child who will build a kingdom "On love, on love alone." FTP, who is this title character of a Menotti opera commonly performed on Christmas, who is cured of his lameness after the "Night Visitors" drop by?

Answer: Amahl

18. He demoted his rival Paul Martin in June 2002, but in an effort to prevent his party from splitting, he has announced that he will leave office in February 2004. This man with a law degree from Laval is the longest-serving Western leader. FTP, name this man who, responding to the issue of SARS in his country, said he would sleep "very, very, very well" in a Toronto hotel.

Answer: Jean Chrétien

19. Chief Justice Hughes, despite an earlier ruling in *Home Building & Loan Assn. v. Blaisdell*, held that "extraordinary conditions do not create or enlarge constitutional powers." Building on

the recent *Panama Refining Company v. Ryan*, he ruled that the president had been improperly given legislative powers, thereby invalidating the industrial codes drawn up under the NIRA and declaring the NIRA itself unconstitutional. FTP, name this 1935 Supreme Court decision nicknamed the “sick chicken case.”

Answer: **Schechter** Poultry Corp. vs. United States (prompt on “sick chicken case”)

20. Since enthalpy is a state function, the value of the enthalpy change for a reaction is independent of the pathway. Therefore, in going from a particular set of reactants to a particular set of products, the change in enthalpy is the same whether the reaction takes place in one step or in a series of steps. FTP, what is the name given to this principle of chemistry?

Answer: **Hess' Law** of Heat Summation

21. Written in 1934, this programmatic work was inspired by its subject's diabolic personality and its composer's own obsession with death in its frequent invocations of the *Dies Irae*. An introduction and the first variation both precede the first appearance of the theme in A minor. Variation 22 evokes the pealing of bells, while the piano part is marked *quasi pizzicato* in variation 19. FTP, name this work perhaps most famous for its soaring 18<sup>th</sup> variation, composed by Sergei Rachmanioff.

Answer: **Rhapsody on a Theme by (of) Paganini**

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1. Identify the neurotransmitter, FTPE:

A. This indoleamine is produced in the raphe [ruh-FAY] nuclei in the brainstem. It has been implicated in control of sleep states, and Prozac acts to prevent its reuptake.

Answer: serotonin

B. Cells producing it in the mesolimbocortical pathway have been shown to be involved in reward behavior. The antipsychotic haloperidol is an antagonist for its receptors.

Answer: dopamine

C. Alcohol increases the number of receptors for this acidic compound, which is the most important inhibitory neurotransmitter.

Answer: GABA (gamma-aminobutyric acid)

2. Name the short story by Nathaniel Hawthorne from characters and brief plot summary, FTPE.

A. Characters include Hooper, Clark, and Elizabeth. The title object strikes fear into the townspeople but also draws strangers to the church.

Answer: The Minister's Black Veil

B. Characters include Georgiana, Aminadab, and Aylmer, who struggles to eliminate the title feature.

Answer: The Birthmark

C. In this story, the student Giovanni Guasconti encounters the beautiful, yet poisonous, Beatrice.

Answer: Rappaccini's Daughter

3. Questions about an impressionist painter, FTPE.

A. His wax sculpture *Little Fourteen-Year Old Dancer* shocked the public at the 1880 Impressionist exhibitions. It used real gauze and satin for clothing and hair.

Answer: Edgar Degas

B. His uncle Michel Musson ran a cotton business, inspiring Degas to paint cotton dealers and offices in this city.

Answer: New Orleans

C. Painted as if seen from another table in the café, it shows a woman staring dully into the foreground, with the title object on the table in front of her. Next to her is a man looking away.

Answer: The Glass of Absinthe

4. Name these French kings, given quotations, FTP:

A. This Bourbon supposedly said, "Paris is well worth a mass" and "I want there to be no peasant in my realm so poor that he will not have a chicken in his pot every Sunday."

Answer: Henry IV or Henry of Navarre

B. This absolutist king, the lover of Madame du Barry, is supposed to have said, "After me, the deluge."

Answer: Louis XV

C. Upon hearing of the battle of Malplaquet, he supposedly said, "Has God forgotten all I have done for him?"

Answer: Louis XIV

5. FTPE, given a city in Mexico, give the U.S. city directly across the border.

A. Tijuana

answer: San Diego (accept Imperial Beach if some wiseass gives it, but this is the only acceptable alternate answer)

B. Ciudad Juárez

answer: El Paso

C. Matamoros

answer: Brownsville

6. Answer these questions about a field of psychology, FTP each:

A. This field is defined as the study of behavior in animals. Comparative psychologists have found similarities to human behavior particularly with regard to displacement of conflict or redirection of anger.

Answer: ethology

B. What ethologist pioneered the concept of "imprinting" after raising geese to follow him as if he was their mother? This anecdote can be found in his memoir King Solomon's Ring.

Answer: Konrad Lorenz

C. What ethologist famously showed that bees can communicate the direction and location of food with rhythmic "dancing"?

Answer: Karl von Frisch

7. Given a description, name these quasi-related works of literature FTPE.

A. This Elie Wiesel work recounts his experiences in the camps of Auschwitz, Birkenau, and Buchenwald.

Answer: Night

B. This Tennessee Williams play focuses on Lawrence Shannon, a minister fallen from grace, and his confrontations with his personal and sexual demons.

Answer: The Night of the Iguana

C. This intensely personal Eugene O'Neill play follows the troubled Tyrone family, whose son Edmund is the character of O'Neill himself. Mary is addicted to morphine.

Answer: Long Day's Journey Into Night

8. Name these World War II generals, for 10 points each.

A. This German general of "desert fox" fame also saw time in France opposing the D-Day invasion.

Answer: Erwin Rommel

B. This British general commanded forces in North Africa at El Alamein and was commander of the D-Day invasion forces.

Answer: Bernard Montgomery

C. Named a marshal of the Soviet Union in 1943, this Russian led the defense of Moscow as commander of the western front and then personally led the 1945 assault on Berlin.

Answer: Georgii (Konstantinovich) Zhukov

9. FTPE, answer the following about cell division.

A. At any given time, most somatic cells are in this "resting" stage of the cell cycle in which they do not divide again.

Answer: G0 (prompt on interphase or G)

B. In this stage of mitosis, nucleoli re-form in the daughter cells and chromosomes uncoil.

Answer: telophase (guess what? Cytokinesis isn't a stage of mitosis)

C. This multinucleated giant cell occurs when cells do not divide after undergoing mitosis. Examples of this phenomenon occur in *Drosophila* blastulas and in cells infected with HIV.

Answer: syncytium [sin-SIH-shum]

10. F15PE, identify the reality show from a list of participants. You'll get ten points if you need a brief description.

15: Rebekah, Sissie, Andrea, Karen, Cecile

10: Five women in search of husbands went to the title location, chosen because the ratio of men to women in this state is higher than any other, in this Fox show hosted by Steve Santagati.

Answer: Bachelorettes in Alaska (accept Looking for Love: Bachelorettes in Alaska, though anyone who would actually know that title is kind of scary).

15: Nikki McKibbin, Jim Verraros, Ryan Starr, R.J. Helton

10: Aspiring singers compete for a recording contract on national TV. They are judged by Simon Cowell, Paula Abdul, and Randy Jackson.

Answer: American Idol season 1 (prompt on AI)

11. Identify these Thomas Hardy works, FTPE.

A. In this novel, the protagonist hangs in the end for having killed Alec. Earlier, the protagonist spends time on a dairy farm with Retty Priddle and others.

Answer: Tess of the D'Urbervilles

B. The title character sells his wife and child to the sailor Newson; when they return to him later, the daughter is not his own but Newson's.

Answer: The Mayor of Casterbridge

C. In this novel Bathsheba Everdene must choose between three suitors; one is killed and one goes insane.

Answer: Far from the Madding Crowd

12. Name these people and things associated with the reign of Justinian, FTP:

A. The Blue and Green factions united to fight against new taxes in this AD 532 revolt that began in the Hippodrome.

Answer: the Nika insurrection or riots or whatever

B. This wife of Justinian, the daughter of an acrobat and a bear trainer, was the subject of many nasty rumors spread by the secret history of Procopius.

Answer: Theodora

C. This lawyer, who temporarily lost office in the Nika riots, oversaw the compilation of Justinian's new legal codex.

Answer: Tribonianus

13. Benzene and its derivatives, FTPE

A. This is the common name for methylbenzene.

Answer: toluene

B. This is the common name for a benzene ring which is monosubstituted with NH<sub>2</sub>.

Answer: aniline

C. When benzene attacks an electrophile, this stable carbocation is formed. This complex is named for the type of bond that joins the electrophile to the benzene.

Answer: sigma complex

14. Answer the following about works of C.S. Lewis FTPE.

A. Lewis's most famous work may be this seven-volume allegorical children's series.

Answer: The Chronicles of Narnia (accept the Narnia Chronicles)

B. Several volumes of the Chronicles of Narnia focus on the siblings Peter, Susan, Edmund, and Lucy. For ten points, give their last name.

Answer: Pevensey

C. In this Lewis work, the devil Wormwood advises his nephew on how to obtain the soul of a young Christian.

Answer: The Screwtape Letters

15. For 10 points each, name these ballet terms:

A. The body is supported on one leg, while the other leg is extended back with a straight knee as high as possible without tipping the torso forward.

Answer: arabesque

B. This position is similar to arabesque, but the leg in the air is bent, with the knee higher than the foot.

Answer: attitude

C. This position is also similar to arabesque, but it takes its name from the French for slanting or inclining, since while the leg is extended straight, the body tips forward to allow the leg to reach higher.

Answer: penché

16. In 1991, the World Series featured two teams that had been in last place in their division in 1990.

A. FTPE, identify the two teams, one a 1990s powerhouse and the other in danger of contraction in 2001.

Answer: Atlanta Braves and Minnesota Twins (accept either name)

B. This Atlanta pitcher went seven shutout innings in game seven. He is still with Atlanta, though he became a closer in 2001. FTP, name him.

Answer: John Smoltz

C. FTP, this Minnesota center fielder hit a home run in the eleventh inning of game six to force the seventh game. He was voted into Cooperstown after 12 seasons with the Twins.

Answer: Kirby Puckett

17. Answer these questions about the trade in diamonds mined in conflict zones, FTPE.

A. This country has been accused of permitting illicit diamonds from the neighboring Democratic Republic of the Congo to be traded through its capital, Bangui.

Answer: Central African Republic or Republique Centrafricaine

B. This country's RUF rebels were financed by diamond mining; earlier, diamonds mined here financed the Lebanese civil war.

Answer: Sierra Leone

C. This is the international scheme to control the trade in conflict diamonds, named after a diamond-mining town in South Africa.

Answer: Kimberley Process

18. Answer the following about Reconstruction, FTPE:

A. In 1864, Lincoln pocket-vetoed this bill proposed by the Radical Republicans and passed by Congress, which would have required a majority of the population to sign a loyalty oath before a state could be readmitted to Congress.

Answer: the Wade-Davis bill

B. Lincoln instead proposed this more moderate plan, named for the proportion of the population required to agree to a loyalty oath.

Answer: the ten percent plan

C. This Radical Republican congressman from Pennsylvania criticized both Lincoln and Johnson for their moderate approaches to Reconstruction.

Answer: Thaddeus Stevens

19. For ten points each, answer these questions about Irish mythology:

A. This most famous king of Ulster, the uncle of Cuchulainn (coo-CULL-in), was born and died on the same days as Jesus.

Answer: Connor Mac Nessa (accept Conchobar, which is pronounced "CON-er", but take anything phonetic)

B. Conchobar wished to marry this woman, his ward, but she fled with Naoise (NEE-shee) and his brothers. She is the subject of a play by Synge and a poem by Yeats.

Answer: Deirdre of the Sorrows

C. Upon hearing Deirdre scream before her birth, this chief Druid of Ulster predicted the sorrow that Deirdre would bring to Conchobar and to Ulster.

Answer: Cathbad (pronounced "CA-va", but also accept anything vaguely phonetic).

20. FTPE, answer these questions about human neural transmission.

A. What is the collective name for the brief, propagated charges that travel rapidly along the axons?

Answer: action potentials

B. Give the name of the small spheres containing neurotransmitting chemicals that produce electrical changes in the postsynaptic membrane.

Answer: synaptic vesicles (do not accept "synapse")

C. Give the name of the type of glial cell that produces the myelin sheath.

Answer: Schwann cell