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The Fabulous Unnamed Chicago Tournament II: The Rage, 2003  
Tossups by Chicago Ethelred the Unready

1. Goody Cloyse taught the protagonist his catechism and participated in illicit nocturnal events. The protagonist also worried about Deacon Gookin, wondering "what God doth the wizard pray to?" The deacon, the minister, and the protagonist's wife were participating in satanic worship in the forests near Salem. FTP, name this Hawthorne short story about a man who meets the devil.

Answer: "Young Goodman Brown"

2. He created an assassination squad known as the Twelve Apostles and in 1920 had a bounty of 10,000 pounds on his head. He had been fighting for Irish independence since 1916, when he returned to Dublin from London to take part in the Easter Rising. He was interned at Frongoch in Wales for much of 1916 and there became respected as an organiser and leader. Shot at Beal na Blath (BAIL na blah), FTP, name this man, played by Liam Neeson in a recent movie.

Answer: Michael Collins

3. Women's disciplines in this sport include 7.5 km sprint, 10 km pursuit, and a 4 by 7.5 km relay competition. The first competition in this sport took place in 1767 on the Swedish-Norwegian border between border patrol units. It was a demonstration sport in the first Olympics Winter Games in 1924 but became an official event in the Olympics only in 1960. For ten points, name this sport in which the events are timed and the competitors are penalized for inaccuracy in shooting.

Answer: biathlon

4. This very stereoselective reaction is thermodynamically favorable because in it, 2 pi bonds are converted into 2 sigma bonds. The simplest form of this reaction uses butadiene and ethylene as reagents. In general, it involves a [4 + 2] cycloaddition in which a dienophile reacts with a conjugated diene. For ten points, name this organic reaction which leads to the formation of a six-membered cyclohexene ring, named for two German chemists.

Answer: Diels-Alder reaction

5. Abraham and Isaac are said to have visited this city, which had been plagued by earthquakes until they settled in this place, whose name means "Dried River." Mohammed's son-in-law Ali is buried here, which makes this city the third holiest to Shi'ite Muslims. FTP, name this city, where United States troops faced heavy fighting during the recent campaign in Iraq.

Answer: Najaf

6. Any metric space satisfying this condition is both complete and separable. In a space fulfilling this requirement, every infinite set has a limit point, every sequence contains a convergent subsequence, and every Cauchy sequence converges. The usual definition of this concept in point-set topology requires every open covering of a metric space to admit

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a finite subcovering. FTP, a subset of the real line is what if and only if it is closed and bounded?

Answer: compactness

7. Lesser known artists included Everett Shinn and John Sloan. The movement was eclipsed by the more avant-garde work at the Armory Show in 1913. George Luks' "Boy with a Baseball" is one example of their work. They sought to capture the feel of America at the turn-of-the-century, through realistic and unglamorized portraits of everyday life. William Glackens and George Bellows were among its members. "Dutch Girl in White" is a painting by Robert Henri, who, FTP, founded what group working in New York City?

Answer: Ashcan School (or Movement)

8. The title character is condemned never to love. Thus when it seems he is about to become more than friends with the violinist Rudi Schwerdtfeger, the latter is killed by his mistress Inez; and when he begins to feel some affection for his nephew Nepomuk the latter is carried off by meningitis. The title character, Adrian Leverkühn, is himself struck by a stroke after suffering from syphilis for 24 years, precisely as the devil said he would be. FTP, identify this novel written by Thomas Mann during his self-imposed exile from Germany.

Answer: Doctor Faustus

9. Judge Joseph E. Gary imposed the death penalty on seven of the men involved in these events, and four of them were hanged. Mathias J. Degan and six other policemen were among the eleven killed. The crowd of about 1500 had gathered to protest for an eight-hour workday until a bomb exploded, causing mass rioting. FTP, identify this series of riots that occurred in Chicago on May 4, 1886.

Answer: Haymarket Square Riots

10. She is called the "great of Heka" because she manages to trick Ra into giving her his secret name. Her sister, Nebt-Het accompanies her on her search for her husband's body. On coffins, she is depicted in the form of a kite and she is shown standing behind the throne in the Hall of Judgment. FTP, name this deity, the daughter of Geb and Nut and the wife of Osiris?

Answer: Aset (or Isis)

11. They seceded from their city three times. The first time occurred after the dictatorship of Marcus Valerius because the creditors refused to forgive debts as promised. The second time occurred after the Decemvir Appius Claudius raped Verginia. The tribunes led them to the Janiculum hill during the third secession. FTP, name this class of citizens of ancient Rome, whose famous leaders included the Gracchi.

Answer: plebeians (prompt on plebs)

12. Examples of these relationships include that between *Pseudomyrmex* ants and bull's horn acacia trees, and the relationship between legumes and nitrogen-fixing bacteria that live in their root nodules. Many of these relationships may have evolved from predator-

prey or host-parasite relationships and they require the evolution of adaptations in both species. FTP, this is what type of interspecies relationship that is beneficial to both species?

Answer: mutualism (accept word forms)

13. In his essay *One Always Returns*, this man claimed that he always wanted to compose in an older style of music and his American period showed a partial return to tonality in pieces like *Chamber Orchestra #1*. However, he is most often associated with the Second Viennese School and the twelve-tone system he created. FTP, name this German composer of *Pierrot Lunaire* and *Verklarte Nacht*.

Answer: Arnold Schoenberg

14. "The uniform 'e wore/ Was nothin' much before,/ An' rather less than 'arf o' that be'ind" and though he carries a musket, he doesn't ever fire it. Instead, he tends the wounded, bringing water to the narrator after he is shot; for this kindness the speaker claims that "for all 'is dirty 'ide,/ 'E was white, clear white, inside." FTP, name the subject of a Kipling poem, described by the narrator as "a better man than I am."

Answer: Gunga Din

15. He was born in Georgiana, Alabama and given the name Hiram. Taught to play the guitar by Rufe Payne, he married Audrey Sheppard and had a son who also became a country musician. He began recording in 1947 and recorded songs like "Lovesick Blues" and "Your Cheatin' Heart." However, six years later at the age of 29, he died of a heart attack on his way to Canton, Ohio. FTP, name this country music legend who recorded 170 songs.

Answer: Hiram King "Hank" Williams

16. Though he adopted elements of its method, Marx disagreed sharply with many of this work's conclusions, notably the idea that monarchy is the highest form of government. He also found implausible this text's central assertion that the state is the fully-developed mind of civil society, and that the former is conditioned on the latter rather than vice-versa. For ten points, name this text, Hegel's only major work on ethics.

Answer: The Philosophy of Right

17. A protest in this city on February 17, 1965 ended with the death of Jimmy Lee Jackson. On March 7, civil rights activists chose to hold a memorial march from this city to the state capitol. However, they were attacked and turned back by state troopers led by Sheriff Clark on the outskirts of the city. The marchers petitioned the federal government and on March 21 were finally allowed to march to Montgomery. The site of the Edmund Pettus Bridge is, FTP, what Alabama city?

Answer: Selma

18. Its first translator into a European language was Antoine Galland, who interpolated many of this work's most famous sections. It has subsequently been translated into English by Edward Lane and Richard Burton, both of whom maintained Galland's interpolations. Tales in this collection include "The Ladies and her Five Suitors" and

"The Fisherman and the Jinni." FTP, name this work, to which the tales of Aladdin and Ali Baba have been added apocryphally.

Answer: The Arabian Nights (Accept 1001 Nights, Alif Layla wa Layla, or any reasonable translation thereof)

19. In general, this number is complex; the real part gives the Fresnel reflection coefficients of a surface and the imaginary part gives the radio absorption coefficient. It is the electrical analogue of relative magnetic permeability and is given by the ratio of the permittivity of a substance to the permittivity of free space. A larger value of this constant allows more charge to be stored on the plates of a capacitor. FTP, this is what constant, denoted by kappa?

Answer: Dielectric constant

20. The president of this country recently called for a meeting between leaders of the oil union Nupeng and the offshore drilling company which fired five union officials. Currently striking workers hold up to 100 hostages on four offshore Transocean-run oil rigs, including 35 Britons and 17 Americans. FTP, name this nation that is just starting to overcome local violence over the reelection of President Obasanjo.

Answer: Federal Republic of Nigeria

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1. In March, the Supreme Court began hearings on a new case to determine the legality of same-sex sodomy laws. FTPE:

A. This new case has the potential to turn over this 1986 Georgia case, in which a prohibition against sodomy was upheld as legal.

Answer: **Bowers v. Hardwick**

B. Name either man involved, each of whom was fined \$200 for engaging in consensual sexual activity in their Houston-area home.

Answer: John **Lawrence** or Tyron **Garner**

C. Lawrence and Garner appealed to the Supreme Court, claiming that their conviction violated this clause of the Fourteenth Amendment.

Answer: **Equal Protection** clause

2. FTPE, answer the following things about photosynthesis.

A. Photosynthesis occurs in this organelle.

Answer: **chloroplast**

B. In the thylakoid membrane of the chloroplast, chlorophyll and other molecules are organised into these groups, in which photosynthesis occurs.

Answer: **photosystems**

C. These yellow and orange accessory pigments located in the chloroplast may allow the chloroplasts to absorb a wider spectrum of light to drive photosynthesis.

Answer: **carotenoids**

3. Name the John Irving novel from a list of characters for 15, or for 10 if you need a brief description.

15. Pastor Merrill, Tabby Wheelwright, Hester Eastman

10. The title character of this novel, set in Gravesend, New Hampshire, kills his best friend's mother with a foul ball when he is eleven years old.

Answer: **A Prayer for Owen Meany**

15. Jenny Fields, Roberta Muldoon, Walt

10. In this novel, the son of a feminist icon and nurse at a boys' school becomes a writer because Helen Holm says she will only marry a writer.

Answer: The **World According to Garp**

4. FTPE, identify the following about the early history of New Zealand.

A. This group, whose name in its own tongue means "people of the land," first settled the islands of New Zealand. They are believed to be descendants of people in mainland China.

Answer: **Maori** or **tangata whenua**



B. The early Maori settlers were greatly dependent on fishing and hunting for this flightless land bird, for survival. Such habits led to this bird's eventual extinction.

Answer: moa

C. This European navigator, regarded among the greatest explorers of the eighteenth century, was the first to visit the Maori people in 1769.

Answer: James Cook

5. Answer the following about the rosary FTPE.

A. This unit of the rosary consists of one paternosters, ten Ave Marias, one Gloria Patri, and one Fatima prayer.

Answer: decade

B. In his apostolic letter *Rosarium Virginis Mariae*, written in 2002, Pope John Paul II proposed the addition of this new set of mysteries, which include the wedding at Cana.

Answer: luminous mysteries (accept mysteries of light)

C. This pope's encyclical *Marialis Cultus* defends the ecumenicism of the rosary. He's better known for the encyclical *Humanae Vitae*, which denounced birth control and abortion.

Answer: Pope Paul VI

6. FTPE, answer the following questions about *Back to the Future*.

A. Name the time-travelling teen played by Michael J. Fox in the movie.

Answer: Martin Seamus "Marty" McFly

B. Christopher Lloyd played this inventor who developed the time machine.

Answer: Dr. Emmett Brown

C. All the time travel took place in Doc Brown's machine, which was disguised to look like this.

Answer: DeLorean

7. FTPE, answer the following questions about a WWI poet.

A. This poet and novelist wrote the collection *Faeries and Fusiliers*, but is better known for historical novels like *Homer's Daughter* and *The Golden Fleece*.

Answer: Robert Graves

B. Graves' best known work is this historical fiction work about a stutterer who becomes Roman emperor. The sequel details his life as emperor with his wife Messalina.

Answer: I, Claudius

C. Graves also wrote this novel about the life of Christ. He claims that Christ is the son of Antipater and grandson of King Herod.

Answer: King Jesus

8. FTPE, identify the following photographers for *Life*.

A. This man is considered the father of modern photojournalism and was on the original staff of *Life*. He took the photo of the sailor kissing the nurse on VJ day in Times Square.

Answer: Alfred Eisenstaedt

B. This first black photographer for *Life* is known for a series of photos of gang leader Red Jackson. His autobiography, *The Learning Tree*, tells of his childhood in Kansas.

Answer: Gordon Parks

C. This woman photographed Ghandi a few hours before his assassination and took amazing pictures of the battle for Moscow in 1941.

Answer: Margaret Bourke-White

9. Answer the following about enzymology FTPE.

A. Generated by graphing initial velocity as a function of substrate concentration, this plot is frequently used to study enzyme kinetics.

Answer: Michaelis-Menten curve

B. This plot is generated by plotting the inverse of initial velocity as a function of the inverse of substrate concentration. Unlike the Michaelis-Menten curve, this plot may be analyzed with linear regression.

Answer: Lineweaver-Burk plot

C. Michaelis-Menten plots of this type of enzyme are sigmoid because of substrate binding cooperativity.

Answer: allosteric

10. FTPE, name these American Civil War battles.

A. On May 3rd 1863, Lee achieved what many call his greatest victory, but Gen. Thomas Jackson's mortal wounding at the hand of his own soldiers the night before marred the triumph.

Answer: Chancellorsville

B. The C.S.S. Virginia destroyed the U.S.S Cumberland and U.S.S. Congress, but was unable to best the U.S.S Monitor the following morning, in this revolutionary naval engagement.

Answer: Hampton Roads

C. During this inaugural Lee vs. Grant showdown, Confederate Gen. James Longstreet was shot by his own men in this indecisive early May of 1864 battle.

Answer: Battle of the Wilderness

11. Identify the major league closer FTPE.

A. This man was traded by the A's to the Chicago White Sox in December. He was the AL reliever of the year in 2002 and started his career with four consecutive 30-save seasons.

Answer: Billy Koch

B. This pitcher led the AL in saves in 2002 with 45. He is currently pitching for the Minnesota Twins.

Answer: Eddie Guardado

C. This French Canadian Dodger rightie began 2002 as a starter, but quickly moved to the bullpen, where he ended the season with 52 saves.

Answer: Eric Gagne

12. Give the playwright from a brief description of his treatment of the Orestes myth FTPE.

A. Orestes kills his mother and her lover, then flees to Athens, pursued, where a tribunal acquits him.

Answer: Aeschylus

B. Orestes kills his mother and her lover, for which the people of Argos condemn him to death. He tries to kill Helen and takes her daughter hostage. In the end, Apollo sets everything right.

Answer: Euripides

C. Orestes arrives in Argos to find the city suffering from a plague of flies, which punish the city for Agamemnon's death. Orestes refuses to be bothered with all that nonsense about the furies.

Answer: Jean-Paul Sartre

13. Spectroscopy has been a powerful tool for determining the atomic makeup of unknown molecules. For ten points each, identify the form of spectroscopy from the following descriptions.

A. This form of spectroscopy involves bombarding the molecule with high energy electrons and then observing how the molecule fragments.

Answer: Mass Spectrometry (prompt on MS or mass spec)

B. This form of spectroscopy involves exposing the molecule to radiowave radiation and then observing where the molecule absorbs the radiation relative to the absorption of tetramethyl silane.

Answer: Nuclear Magnetic Resonance Spectroscopy

C. This form of spectroscopy involves exposing the compound to radiation with wavenumber between approximately 3600 to 400 inverse centimeters and then observing the frequencies at which the compound's bonds absorb the radiation.

Answer: Infrared Spectroscopy (also accept IR)

14. For ten points each, identify the following about an African empire.

A. This African imperial state was founded by Sunni Ali and controlled much of the West African grasslands area from 1464 to 1591. Its rulers sustained an Islamic culture in towns.

Answer: Songhai or Songhay



B. This ruler of the Songhai Empire from 1493 to 1528 is known for creating an efficient administrative system and a standing army as well as making a lavish pilgrimage to Mecca.

Answer: Askia Muhammad Toure

C. In 1591, the Songhai Empire was overthrown from the North by an invading army of these people.

Answer: Moroccan (or Morocco)

15. Recently, four lawsuits have been filed against four college students for "direct and contributory copyright infringement" of protected music recordings. FTPE:

A. Name the body whose members sued students at Princeton, Michigan Technological, and Rensselaer Polytechnic for \$150,000 per copyrighted piece of media.

Answer: Recording Industry Association of America (prompt on RIAA)

B. This website was started by Michigan Technological students in support of Joe Nievelt, one of the students sued by the RIAA.

Answer: Free Joe

C. The RIAA recently lost a major case about filesharing to Grokster and this Streamcast-owned filesharing client, popular at universities.

Answer: Kazaa

16. FTPE, name these things from optics from a description.

A. This is a set of a large number of parallel slits used to disperse light using Fraunhofer diffraction. It can be used to measure atomic spectra.

Answer: Diffraction grating (prompt on grating)

B. This is a term for a wedge-shaped transparent body. When white light passes through one of these, it is separated by color.

Answer: prism

C. This law gives the relationship between the angle of incidence and the angle of refraction for a wave that enters a medium with a different index of refraction.

Answer: Snell's Law

17. FTPE, name the historical sovereign given a music-related clue.

A. Beethoven's *Eroica* was originally dedicated to this man.

Answer: Napoleon

B. This king initiated the tradition of rising during the "Hallelujah" chorus of Handel's *Messiah*.

Answer: George II

C. Monteverdi wrote an opera about this man and Poppea, his ambitious concubine.

Answer: Nero

18. FTPE, identify the following fairy tales.

A. Bruno Bettelheim thinks that this tale is about "oral greed." Most people think it's about two kids, a wicked cannibal witch, and a truly delicious house.

Answer: "Hansel and Gretel"

B. Hans Christian Andersen wrote this story about a sea-princess who falls in love with a prince.

Answer: "The Little Mermaid"

C. The title character of this story is born from a tulip and is only about an inch long. She is rescued from a distasteful marriage to a mole by a tiny prince.

Answer: "Thumbelina" (or "Little Tiny")

19. On May 23, 1618, defenders of the Protestant community in Bohemia threw imperial regents William Slavata and Jaroslav Martinic from a window of Hradcany Castle.

FTPE,

A. What is the name given to this act?

Answer: The Second Defenestration of Prague

B. Who was the Hapsburg Holy Roman Emperor at the time of the Second Defenestration of Prague?

Answer: Ferdinand II (prompt on Ferdinand)

C. The Defenestration of Prague is largely regarded as one of the more important events leading up to what European war which began in 1618 and was fought in central Europe?

Answer: The Thirty Years' War

20. Name the European author from the title of a novella, five-ten-fifteen.

5. *Notes from Underground*

Answer: Fyodor Dostoevsky

10. *Polikushka*

Answer: Leo Tolstoy

15. *Night Games*

Answer: Arthur Schnitzler