

2001 Chicago Open
Tossups by Anthony de Jesus

1. Their impetus was a memorandum from a British private citizen Alfred Heppisly to his friend William Rockhill. Italy was the only European power to give a straight answer, and most other countries gave contingent acceptances that did not take effect, since Russia gave a "polite declination." Calling for non-discrimination in railroad rules and port dues, they were issued in 1899. FTP, non-interference in spheres of influence in China was another point in what series of notes issued by John Hay?

Answer: Open Door Notes

2. When published in a second edition, "Sea Surface Full of Clouds" was among the fourteen new poems included. Poems in the first edition included "The Load of Sugar-Cane" and "Disillusionment of Ten O'Clock." It is best-known for such poems as one talking about "concupiscent pleasure" and another concerning the poet's alter ego, Crispin. FTP, name this volume including "The Comedian as Letter C" and "The Emperor of Ice Cream," the first volume of poetry by Wallace Stevens.

Answer: Harmonium

3. In 1929, M.R. Van Cauwenberghe measured it directly for the first time, between the plates of a parallel capacitor connected to an alternating potential difference. Its direction is the same as that of the current density, and its magnitude is given by the permittivity constant times the derivative of the electric field flux with respect to time. Accounting for a changing electric flux changing a magnetic field, FTP, what is this term, added by Maxwell to Ampere's law?

Answer: displacement current

4. The second depicts a cuckoo, a turtledove, and a goldfinch, as well as a shepherd weeping at an approaching storm, while the fourth includes depictions of people warming by a fire. Each individual piece in it is preceded by a sonnet, and code letters link specific lines of each sonnet to specific parts of the musical work. FTP, name this group of concerti grossi for the violin, composed around 1725 by Antonio Vivaldi.

Answer: *The Four Seasons* or *Le Quattro Stagioni*

5. The founder of the ruling dynasty of this country was considered to be Dayaukku, who led an unsuccessful revolt against Sargon II. It grew in power by extending into all of eastern Anatolia and capturing Nineveh and overthrowing the Assyrians. However, it did not last long despite successful rulers like Cyaxares, who founded its capital of Ecbatana. Located in the northeast of present-day Iran, FTP, name this ancient land which Cyrus the Great overthrew to form the Persian Empire.

Answer: Media (accept "the Medes")

6. The title character lives with his wife, Winnie, her mother, and her mildly mentally retarded brother, Stevie. The owner of a seedy Soho bookshop, he supplies information to Chief Inspector Heat unbeknownst to his compatriots. This novel's most bizarre figure is the Professor, an anarchist bomb maker who supplies Verloc, the title character, with a device to blow up part of the Greenwich Observatory. FTP, name this novel by Joseph Conrad.

Answer: *The Secret Agent*

7. The most common laboratory methods of producing this type of compound are the alkali fusion of sulfonates and the hydrolysis of diazonium salts. Characteristically acidic with extremely high reactivity of the ring towards electrophilic substitution, examples include hydroquinone, resorcinol, cresol, and hydroxybenzoic acid. FTP, name these compounds in which an -OH group is directly attached to an aromatic ring.

Answer: phenols

8. Among his extant works is part of *On the Embassy of Gaius*, describing a failed diplomatic mission to Caligula attempting to get the emperor to repeal his desire for Jews to worship the emperor as God. His method of allegorical exegesis influenced the early Christian Church fathers, as did his emphasis on the Logos, or Word of

God. FTP, name this man who believed that the Pentateuch prefigured Plato, an example of Middle Platonism, who was a Jew from Alexandria.

Answer: Philo of Alexandria or Philo the Jew or Philo Judaeus

9. Number 261 had the origin and first appearance of Streaky, while 292 and 293 had the origin and first appearance of Comet. Number 377 had the beginning of a Legion of Super-Heroes series, while 252 through 376 had the first appearance and adventures of Super Girl. First published in June 1938, FTP, name this comic book, best known for an issue, published in June 1938, which featured the debut of Siegel and Schuster's Superman.

Answer: Action Comics

10. Three of them were founded by Shatuo Turk military officers, while the first was founded by the military governor of a province on the Grand Canal, who had betrayed the rebel leader, Huang Chao. They were all based in Henan province in north China. FTP, give the collective name for the Liang, Tang, Jin, Han, and Zhou, who, along with the Ten Kingdoms, were in power during the years of a fractured China between the Tang and Song dynasties.

Answer: Five Dynasties

11. Among its minor characters are Women worshipping Iacchus and the house porter Aeacus. It opens with a slave offering to make a joke and referencing contemporary playwrights like Ameipsias and Lycis; and it ends with Pluto's address to the Chorus. The central character, accompanied by his slave Xanthias, descends to Hades dressed in Heracles' lion skin, but changes upon arrival. FTP, name this comedy in which Dionysus judges the merit of Euripides and Aeschylus, a work by Aristophanes that takes its title from the animals in the chorus.

Answer: The Frogs or Batrachoi

12. During it the structure called the synaptonemal complex is activated. It can be further divided into the diplotene, pachytene, and zygotene stages among others and includes the formation of now-visible complexes called tetrads. Helping to hold tetrad components together are criss-crossings known as chiasmata. Nucleoli disperse, spindle microtubules form between centriole pairs, and chromosomes begin to migrate. Usually accounting for 90% of the time required by meiosis, FTP, name this first stage of meiosis.

Answer: prophase I (prompt on prophase, or early meiosis or meiosis I, do not accept prophase II)

13. His glowing seed is preserved in a lake, and from his seed will issue the Saoshyant, the future savior who will be born of a virgin. He did not write the summary known as the Dinkard, nor the Visperad and Vendidad, but he did authentically write the hymns known as the Gathas. FTP, identify this figure who told of the god Ahura Mazda and supposedly dictated the Zend-Avesta, the namesake of a once popular Persian religion.

Answer: Zoroaster or Zarathustra or Zardust

14. Examples of this theory which are verifiable in a laboratory include retroactive inhibition and proactive inhibition. In the former, the experimental group is hampered by new learning, while in the latter, the group is hampered by previous learning. FTP, name this theory of forgetting, in which forgotten memory is neither lost nor damaged, but is misplaced among other memories, inhibiting recovery of the memory sought; a term used in physics to identify the net effect of two or more waves moving on intersecting or coincident paths.

Answer: interference

15. Afterwards, Poland and Hungary seized much disputed land, including, in the case of the latter, with the help of Germany, land it had lost in the Treaty of Trianon. It specified four districts, to be occupied sequentially from October 1 to October 7, determined through the use of a 1910 census by the Austro-Hungarian Empire, and not a more recent 1930 Czechoslovakian census. FTP, name this agreement, supposedly to ensure "peace in our time," which saw the Sudetenland ceded to Nazi Germany.

Answer: Munich Pact

16. The final part of Book III opens in front of Malbecco's castle, near which two of the central characters run into Paridell, who had his way with Hellenore and abandoned her. Significant in this section is Satyrane, a half-goat, who is generally a good guy, unlike Archimago and Duessa, an antagonist in Book I. Containing an introductory letter to Sir Walter Raleigh, its more famous characters include Britomart and the Redcrosse Knight. FTP, name this allegory of which Gloriana is the title character, the best-known work of Edmund Spenser.

Answer: *The Faerie Queene*

17. The theory behind its function is as follows - when a meta-stable helium atom of an energy state of 20.61 electron volts collides with a ground-state neon atom, energy is easily transferred as neon has an unstable state of 20.66 electron volts. This allows for population inversion, and the neon atom decays rapidly to a lower energy level, leading to the emission of light of wavelength 632.8 nanometers. FTP, this describes what type of laser which uses an 80-20 mixture of helium and neon in a certain phase?

Answer: helium-neon gas laser (prompt on laser)

18. On the right a girl holds a honeycomb in her hand, and since her torso is covered by another figure, all we can see of her lower body are the scaled and furred legs, partially covered by a green robe. Just below her are a pair of masks exactly opposite to the masked figure on the top left that looks on. Meanwhile a blue curtain is being pulled over the whole scene by Father Time. FTP, name this painting of unknown meaning and showing Venus and Cupid kissing on the left, a work by Agnolo Bronzino.

Answer: *Venus, Cupid, Folly, and Time* or *Allegory of Love* or *Allegory of Venus and Cupid*

19. In Irish myth, Cuchulainn and Cu Roi stole one from a mysterious fortress, which streamed gold and silver, and the Dagda had a magic one from the city of Murias, which fed people to their fullness. In Welsh myth, Ogyrvan the Giant, Perdur, and Bran all had magic ones, which often provided abundance, or restored people to life. Perhaps the most famous was the one that belonged to Annwfn [ann-wef'n]. FTP, name these objects used by druids to brew their mystical potions.

Answer: cauldron

20. Its name, meaning "end of strife," was given to it by Alaungpaya, who made it an administrative capital. Sites include the Shwe Dagon Pagoda and the World Peace Pagoda, built upon the 2500th anniversary of the death of the Buddha. It is located near the Gulf of Martaban, an arm of the Andaman Sea, on a river of the Irrawaddy delta. FTP, name this city, which became a world capital in 1948 upon the independence of Myanmar.

Answer: Yangon or Rangoon

21. He irreparably damaged some of his college friendships with the publication of *The Masterpiece*, but developed a new group of friends, including Karl Huysmans with whom he collaborated on the story collection *Evenings at Medan*. Early works include *Stories for Ninon* and *Claude's Confession* but better known is a series of tales of a family during the reign of Napoleon III, including *Doctor Pascal*, *Nana*, and *Germinal*. FTP, name this French author of the *Rougon-Macquart* cycle of novels.

Answer: Émile Zola

2001 Chicago Open Bonuses by Anthony De Jesus

1. Answer the following about literary twins, who are neither Dubya's future AA member daughters nor Andrew Yaphe's favorite moderators.

A For 5 points each, One is a shared name by a man from Ephesus and a man from Syracuse who are long-lost twins, the other by the servants of each man, who are also twins. Give these names shared by characters in *The Comedy of Errors*.

Answer: Antipholus and Dromio

B. For 10 points, This novel, about a twin jealous of her more popular sister, won the 1981 Newbury Medal for Katherine Paterson.

Answer: Jacob Have I Loved

C. For 10 points, In this novel, a pair of aristocratic twins arrive in Dawson's Landing. One of them, Luigi, is accused of murdering Judge Driscoll, but the title character proves that the actual culprit is Chambers, who Driscoll believed to be Tom.

Answer: The Tragedy of Pudd'nhead Wilson.

2. The fungus provides a suitable physical environment for growth. The photosynthetic algae provides food. FTP each:

A. Name this symbiotic association.

Answer: lichen

B. While the fungus may be a basidiomycete, it is more commonly a member of this fungal division.

Answer: ascomycota or ascomycetes (prompt on sac fungi)

C. Lichens asexually reproduce as symbiotic units by forming this specialized structure, a small cluster of hyphae embedded with algae.

Answer: soredia

3. Name these things about the Massachusetts Bay Colony, FTP each:

A. This man governed the colony on and off, but mostly on, from 1657 until his death in 1676.

Answer: John Winthrop

B. Winthrop granted each town the right to send two representatives to the General Court after the 1631 protest against taxation and representation named for this town, which also served as temporary Massachusetts capital during the American Revolution.

Answer: Watertown

C. After being banished from Massachusetts, Anne Hutchinson and her followers founded this city in 1638 on Aquidneck Island in present-day Rhode Island. It shares its name with the colonial capital of New Hampshire.

Answer: Portsmouth

4. Name these Northern European landscape painters, FTP each:

A. A leading painter of the Danube school, he is also noted for small engravings. Works include the huge *Battle of Alexander and Darius on the Issus*, and the set of engravings entitled *The Fall and Redemption of Man*.

Answer: Albrecht Altdorfer

B. Possibly a student of Quentin Matsys, and an acquaintance of Durer, this Flemish painter often depicted small figures dwarfed by the setting, as in *Landscape with St. Jerome* and *Charon Crossing the Styx*.

Answer: Joachim Patinir

C. Influenced by Patinir, this landscape painter was also noted for *Peasant Wedding Feast* and other depictions of peasant life.

Answer: Pieter Brughel the Elder

5. The years 1867, 1896, and 1897 saw publication of creatively-titled volumes all named *New Poems* by different poets. FTP each:

A. The 1867 volume by this poet included the elegy on the death of Arthur Hugh Clough entitled "Thyrsis."

Answer: Matthew Arnold

B. The 1896 volume was published by this Mike Angel favorite, better known for "The Prince's Progress" and "Goblin Market."

Answer: Christina Georgina Rossetti

C. The 1897 *New Poems* were written by what English Catholic, best-known for "The Hound of Heaven."

Answer: Francis Thompson

6. Name these chemical elements from not-as-fraudulent-as-usual clues:

A For 5 points, The radioactive decay series that ends with lead-208 begins with the 232 isotope of this metal.

Answer: Thorium

B. For 5 points, This is the most electropositive element.

Answer: Francium

C. For 10 points, So inert that it resists attack by aqua regia, it is one of the two densest elements.

Answer: Iridium (The other densest metal is osmium, which *does* dissolve in aqua regia)

D. For 10 points, When in liquid form, this element cools as it expands. Along with tin, it is a component of the alloy Britannia metal.

Answer: Antimony

7. Name these things about the Mensheviks, FTP each:

A. The Mensheviks actually controlled this independent state, which was established in 1918. Against the orders of Lenin, it was invaded in 1921 by native son Joseph Stalin.

Answer: Georgia

B. This former Menshevik Party member later became the chief prosecutor in the trials of Stalin's purges. He represented the USSR in the nascent United Nations and was Soviet foreign minister from 1949 to 1953.

Answer: Andrey Yanuaryevich Vyshinsky

C. A onetime spokesman for the Mensheviks, he would align himself with neither party until 1917. Of course after Ramon Mercader stuck an ice pick in him everything else didn't seem to matter

Answer: Leon Trotsky or Lev Davidovich Bronstein

8. Name these things about the gurus of Sikhism, FTP each:

A. Dying in 1708, he was the tenth and final human guru.

Answer: Gobind Singh

B. Gobind Singh nominated this sacred Sikh scripture to be the Guru after himself.

Answer: Adi Granth or Guru Granth Sahib

C. The fifth Guru, from 1581 to 1606, he founded the Golden Temple at Amritsar to house the original copy of the *Adi Granth* that he compiled.

Answer: Arjun (or Arjan) Dev

9. Name these Callaway Golf products, FTP each:

A. This driver with a large sweet spot was named for a World War I cannon.

Answer: Big Bertha

B. This club, which violates USGA standards for spring-like effect, takes its name from the company president, who died in July 2001.

Answer: ERC (The initials of Ely Reeves Calloway)

C. This line of Callaway golf balls, their first, was named to slightly mock the regimented nature of the USGA, and is supposed to be an admonition to have fun.

Answer: Rule 35 [Note: It is so-named because of the USGA's 34 rules of golf]

10. Name these playwrights of the Spanish language, FTP each:

A. Born in Mexico, this Golden Age playwright wrote *The Suspicious Truth*, which inspired Corneille's *The Liar*. Other plays include *The Walls Have Ears*.

Answer: Juan Ruiz de Alarcón y Mendoza

B. This playwright perfected the three-act Spanish *comedia*. *Peribáñez* and *The Knight of Olmedo* are among his over 500 extant plays.

Answer: Lope (Félix) de Vega Carpio (accept either name)

C. Known for his use of the religious dramatic form known as the *auto sacramental*, his most famous work is *La vida es sueño*.

Answer: Pedro Calderón de la Barca

11. First proposed in the 1960s, it replaced geosynclinal theory after discoveries in paleomagnetism, marine geology, and seismology.

A. For 5 points, Name this theory that divides the Earth's outer layer into several discrete entities and is a consequence of continental drift.

Answer: plate tectonics

B. For 5 points, This name is given to the process by which oceanic lithosphere is consumed at a convergent plate boundary as one oceanic plate bends and descends beneath the other.

Answer: subduction

C. For 10 points, It is a boundary where two plates slide past each other and lithosphere is neither created nor destroyed.

Answer: transform plate boundaries

D. For 10 points, A perfect transform plate boundary would be this kind of fault.

Answer: strike-slip fault

12. Name these ruling families, FTP each:

A. The Hannoverian line of English kings is a branch of this family, which can be traced to Ernest the Confessor, duke of Lüneburg.

Answer: Brunswick (prompt on "Guelph")

B. Alberto Azzo II was the first member of this princely family to rule Ferrara.

Answer: Este

C. Founded by the *condottiere* Giacomuzzo Attendolo, these dukes ruled Milan from 1460 to 1535.

Answer: Sforza

13. Name these musicians associated with bebop, FTP each:

A. The first major jazzman to play the electric guitar, he joined Benny Goodman's sextet, but died of tuberculosis in 1942.

Answer: Charlie Christian

B. This man's trumpet had a bell pointed upward at a 45 degree angle. With Charlie "Bird" Parker, he made the first definitive bebop recordings.

Answer: John Birks "Dizzy" Gillespie

C. Like Louis Armstrong, he played in the Fletcher Henderson Orchestra. Known for his album *Body and Soul*, this man is considered the father of jazz tenor saxophone.

Answer: Coleman Hawkins

14. Give the locations of these caves:

A. For 5 points, Visitors can use an elevator to reach The Cave of the Winds, formed by this waterfall.

Answer: Niagara Falls

B. For 10 points, The Blue Grotto is a famous cave found on this island at the entrance of the Bay of Naples.

Answer: Capri

C. For 15 points, Carlsbad Caverns National Park can be found in the foothills of this New Mexico mountain range.

Answer: Guadalupe Mountains

15. In 1823, a collection of 25 prose pieces were published and in 1833 a second volume appeared. FTP each:

A. Name the author of these *Essays of Elia*.

Answer: Charles Lamb

B. One essay by Lamb was in praise of members of this profession, which became linked with scrotal skin cancer.

Answer: Chimney-Sweepers (accept equivalents)

C. In this essay, Ho-ti leaves his son, Bo-bo, in charge of the cottage. Bo-bo likes to play with fire and burns the cottage down, accidentally discovering the title object. Word spreads, and a wave of arson occurs until someone discovers that the title object can be made without burning down a house.

Answer: *A Dissertation on Roast Pig*

16. Answer these questions relating to a physicist who dabbled in applied optics, FTP each:

A. What man developed a namesake type of compound lens, which produces parallel beams of light, and which is used in lighthouses and theatrical spotlights?

Answer: Augustin Jean Fresnel [Fra-NEL]

B. Fresnel won an 1819 essay contest organized by proponents of Newton's particle theory of light in the French Academy of Sciences with an essay on diffraction. One conclusion drawn from his essays was that this should appear in the center of the shadow of a sphere.

Answer: Fresnel bright spot (accept equivalents)

C. This man was among the Newtonians who challenged Fresnel's wave theory of light, only to be disproved by the counterintuitive appearance of the Fresnel bright spot. He is known for his namesake special case of the statistical binomial distribution.

Answer: Siméon-Denis Poisson

17. The son of the Spanish governor of Chile and viceroy of Peru, he fought against Spain.

A. For 10 points, Name this man who, after proclaiming Chilean independence in 1818, served as supreme dictator of the country until he was deposed in 1823.

Answer: Bernardo O'Higgins

B. For 5 points, This man refused the presidency of Chile in 1818, preferring that power pass to his chief aide, Bernardo O'Higgins.

Answer: José de San Martín

C. For 15 points, San Martin officially ended the struggle for Chilean independence with this victory in April of 1818 near Santiago.

Answer: Battle of Maipu

18. Given a Norse deity, give their spouse, FTP each.

A. This wife of Thor was noted for her golden hair.

Answer: Sif

B. Odin's wife was this goddess often confused with the Vanir princess Freya.

Answer: Frigg or Frigga

C. She wasn't Loki's wife but the mother of three of his spawn: Jormungand, Fenrir, and Hel.

Answer: Angerboda

19. Name these concepts in linguistics, FTP each:

A. Sentences can have an object, a subject, and a verb, which are arranged in what specific order in 95% of the world's languages?

Answer: subject-verb-object or S-V-O

B. Postulated in 1822, this law attempted to explain the German consonant shift and the High German consonant shift.

Answer: Grimm's law

C. Championed by John Rupert Firth, this is an analytic approach based on the view that a single system of principles and categories cannot account for patterns in language.

Answer: polysystemicism

20. Name these things associated with a certain philosopher, FTP each:

A. Although it may not have been his idea, this philosopher's name is attached to a creature that starves to death because it has no rational basis for choosing one bundle of hay over another that is equidistant and equally desirable.

Answer: Jean Buridan (accept Buridan's ass)

B. Buridan was an adherent to this philosophical stance that there is no such thing as chance, but that every event invariably follows from a cause and that all events have a cause.

Answer: determinism

C. Buridan studied at the University of Paris with this scholastic philosopher who came up with the law of parsimony.

Answer: William of Ockham

21. Name these conductors of the Philadelphia Orchestra, FTP each:

A. Perhaps the most famous conductor, his tenure saw the world premiere of Rachmaninoff's *Third Symphony* and *Fourth Piano Concerto*, and Schoenberg's *Violin Concerto*. He is known for shaking hands with Mickey Mouse in the film *Fantasia*.

Answer: Leopold Stowkowski

B. The longest stint conducting the Philadelphia Orchestra was the 44 years of this successor of Stowkowski. He oversaw the world premiere of Barber's *Medea* and Persichetti's *Third Symphony*, among other works.

Answer: Eugene Ormandy

C. In 1993, he became the new leader of the Philadelphia Orchestra. He plans to be on hand for the orchestra's debut in its new home at the Kimmel Center for Performing Arts on December 15, 2001.

Answer: Wolfgang Sawallisch