

10/31/02
4/22/05

Beaver Bonspiel IX Round 6

Packet by Boston University Hit by a Train (Erik Nielsen and Rosie Vargas)

Tossups

1. Fifty years, nine months, and four days separate the end of the protagonists' courtship and the time when one declares his renewed and undying love for the other. Unwisely, he does so at the funeral of the illustrious Dr. Juvenal Urbino de la Calle, her husband. FTP, name this book about Florentino Ariza and Fermina Daza, written by Gabriel Garcia Marquez and taking its name from the disease the late doctor fought to control.

Answer: *Love in the Time of Cholera* (*El Amor en los tiempos del cólera*)

2. Before seeking elective office, he assisted Henry Adams in editing the *North American Review* and was the first recipient of a Ph. D. in political science from Harvard. Elected to the House of Representatives in 1887, he served there for six years before joining the Senate, where he would stay for 32 years. FTP, name this Massachusetts Republican, who used his position as chairman of the Foreign Relations Committee after World War I to lead Senatorial opposition to the League of Nations.

Answer: Henry Cabot Lodge, Sr.

3. It is described as analogous to the tendency of organic matter to revert to a "primeval, inorganic state". It is almost always sublimated, either by redirection in the form of aggression or by diversion to the service of erotic passion. According to Freud's *Beyond the Pleasure Principle* and *Civilization and Its Discontents*, this is, FTP, what basic human instinct desiring self-annihilation?

Answer: the death wish or death instinct

4. Written to expose the limits of Hegel's view of the central importance of ethics, this work was published under the pseudonym Johannes de Silentio. It discusses such character types as the "tragic hero" and the "knight of infinite resignation," who are guided by ethics, rejecting them in favor of the "knight of faith," who follows the will of God and can be led into unethical actions as a result, as is epitomized by Abraham's willingness to sacrifice Isaac. FTP, name this work by Kierkegaard with a "frightful" title.

Answer: *Fear and Trembling* (*Frygt og Bæven*)

5. The last name is the same: Victor's 1911 measurements of ionization in the upper atmosphere led to his discovery of cosmic rays. Walter discovered the role of the medulla oblongata and the hypothalamus in the autonomic nervous system and shared a Nobel Prize with the inventor of the lobotomy. Germain Henri discovered a law which is now viewed as a special case of the conservation of energy and is sometimes called the law of heat summation. FTP, what name is attached to the law stating that the enthalpy change in a reaction is independent of its pathway?

Answer: Hess

6. The Military Committee of National Liberation ruled this country from 1969 to 1979, having taken power after a coup which followed an attempt to implement a Maoist-style cultural revolution by the country's founder, Modibo Keita. Until 1991, it was led by Moussa Traoré, who oversaw two armed border conflicts over the Agacher Strip with neighboring Burkina Faso. FTP, what is this country which shares its name with the empire once ruled by Mansa Musa and has its capital at Bamako?

Answer: Mali

7. The *scherzo* of this work's third movement was an attempt to translate a description of a dance in Longfellow's *Hiawatha* into musical form, while the *cor anglais* violin solo in the second movement is a version of the death of Minnehaha in the same work. Because the composer mistakenly believed that Black and Native American music were closely related, though, the latter is heavily influenced by the Negro spiritual. This is not a work by an American, but, FTP, what symphony by Dvorak, subtitled "From the New World"?

Answer: Dvorak's *Ninth Symphony* (accept *From the New World* before it's said)

8. In 1825, this student of Hegel changed his name from Harry and converted to Protestantism because civil service jobs were forbidden to Jews. Though he is best known for his lyric poetry, he spent much of

his later years writing prose supporting a moderate form of socialism, as well as verse satires like *Germany: A Winter's Tale* and *Atta Troll*. FTP, name this poet of "Zwei Grenadiere" and "Die Lorelei".

Answer: (Christian Johann) Heinrich Heine (accept Harry Heine)

9. The main character of this film reads Jacques Cousteau's "Diving for Sunken Treasure", fakes a bicycle accident, orders piranhas from South America, pretends his father is a neurosurgeon, re-institutes the teaching of Latin, gets expelled from school, and eventually ends up with Margaret Yang. FTP, name the 1998 film directed by Wes Anderson, featuring Bill Murray as Herman Blume and starring Jason Schwartzman as Max Fischer.

Answer: Rushmore

10. The neural component of this gland is innervated by sympathetic preganglionic neurons and secretes a hormone that tends to behave like a neurotransmitter because it elicits very rapid responses. The gland's endocrine component can be affected by Cushing's syndrome or Addison's disease and secretes aldosterone and other mineralocorticoids and glucocorticoids. Consisting of a cortex and a medulla, for ten points, what is this gland that is located above the kidneys and secretes epinephrine?

Answer: adrenal gland(s) (or suprarenal gland(s))

11. Four dogs in Louisiana. Horses and cats. Over 100 species of bird, including endangered bald eagles and sandhill cranes. As of October 19, 2768 people in 34 US states, of whom 146 have died, after exhibiting symptoms similar to encephalitis. They were all victims of, FTP, what recently prevalent, mosquito-borne disease?

Answer: West Nile virus

12. Contrary to the later aims of the group which drafted it, this document states among its aims an effort "to maintain the true principles of monarchy". On June 20, 1789, that group found itself locked out of its customary meeting place, upon which they adjourned to a makeshift location and drafted the document. This describes, FTP, what decree of the French National Assembly, declaring the intent not to separate until a written constitution was passed, named after an athletic venue?

Answer: Oath of the Tennis Court (*Serment Du Jeu De Paume*)

13. Several angels in the form of children appear to the left of the picture's title figure, while the prophet in the bottom right hand corner inexplicably appears to be under two feet tall. Though the woman in the center of the painting is unusually endowed in the manner suggested by the title, the baby in her arms is similarly elongated. FTP, name this central painting in the Mannerist tradition and best-known work of Parmigianino.

Answer: *The Madonna with (or of) the Long Neck* (*Madonna dal Callo Lungo*)

14. In Act I, Scene II, of the play named for him, a chamois-hunter finds him wandering aimlessly in the mountains. He possesses great magical power, summoning up such beings as the Witch of the Alps and the god Arimanes, as well as the ghost of his lover and sister Astarte. Nonetheless, he is mortal, as suggested by the names of his servants Herman and Manuel, as well as his own, and by the fact that he eventually gets killed by demons. FTP, name this title character of a closet drama by Lord Byron.

Answer: Manfred

15. This operation was generalized to certain complexes of coherent sheaves by Mukai. It maps the Schwartz class to itself, and Plancherel's theorem states that it is an isometry with respect to the L-two norm. It converts a Gaussian with standard deviation sigma into a Gaussian with standard deviation one over sigma, and it converts multiplication by a coordinate function into *i* times differentiation with respect to the coordinate. FTP, name this operation which converts a function into an integral over its frequency modes, a generalization of its namesake's trigonometric series.

Answer: Fourier transform

16. He collaborated with E. V. Gordon to produce an edition of *Sir Gawain and the Green Knight* which remains standard 77 years later. His essays "Beowulf: The Monsters and the Critics" and "On Fairy-Stories" were also influential, but his best-known use of ancient English dialects was to create the language of Gondor. FTP, name this author of "Farmer Giles of Ham", *The Silmarillion*, and *The Lord of the Rings*.

Answer: J. R. R. (John Ronald Reuel) Tolkien

17. Born in 1958 in Upper Darby, Pennsylvania, he spent his 13 major-league seasons with one team, making the All-Star game in 1989 and 1990 and earning two World Series rings, in 1981 and 1988. In 2000, he took a job as a manager, remaining in roughly the same location but switching leagues. FTP, name this former Dodgers catcher who managed the 2002 Anaheim Angels to the World Series.

Answer: Mike Scioscia

18. The Harbour Bridge, built in 1959, connects it with the rapidly growing North Shore suburbs and the naval center of Devenport. Established in 1840 by William Hobson and named for George Eden's noble title, it is situated between Waitemata Harbour to the east and Manukau Harbour to the west. FTP, name this largest city of New Zealand.

Answer: Auckland

19. His mother Ulrika Eleonora died when he was 11, and his father and predecessor on the throne died four years later. He met with success early in his career, installing Stanislaw I as king of Poland, but his nation's fortunes went downhill later. He lived in Turkey from 1709 to 1714 in a desperate attempt to gain allies after his failure at the Battle of Poltava. FTP, name this loser of the Great Northern War and king of Sweden from 1697 to 1718.

Answer: Charles XII (the Twelfth) of Sweden

20. The son of a clothworker, he served apprenticeships in Denmark and Norway before beginning his career in his native England. While none of the houses he built at Covent Garden survive, his layout there remains largely unaltered. He designed sets for several masques by Ben Jonson. FTP, name this man perhaps best known for the Banqueting House at Whitehall, the first English classical architect.

Answer: Inigo Jones

21. They gave jurisdiction over cases of church patronage, church debt, and land disputes between clergy and laymen to secular courts; most controversially, priest charged with felonies were also tried in secular courts. Intended as an attempt to restore the balance of power between government and the church after the troubled reign of King Stephen, many clerics refused to acknowledge them. FTP, name these 16 articles issued in 1164 by Henry II and most notably opposed by Thomas a Becket.

Answer: Constitutions of Clarendon

22. This kind of reaction involves a nucleophile that contains a pi bond. The reaction intermediate favors the most stable carbocation that is formed upon protonation of the pi bond. Skeletal rearrangements are possible if the carbocation can rearrange to one that is more stable. For ten points, name this reaction in which an alkene double bond is replaced with a halide and a hydrogen atom.

Answer: electrophilic addition

23. Gregory Yates, L. Ingoldsby Sargent, and Eliphalet Weeks are revealed as dishonest. The patent-medicine salesman Harkness wins the election against Pinkerton the banker with the aid of some fake gold double-eagles. Ultimately, Richards and his wife go mad and die, and the town's motto is changed slightly -- to "Lead Us Into Temptation". All these things happen in, FTP, what short story by Mark Twain?

Answer: "The Man that Corrupted Hadleyburg"

24. He gives a divine golden wedge to his son and tells him to found the capital city where it sinks into the ground. Generally depicted as a man with a face like a disc of gold, his children include Mama Ocollo and Manco Capac, and his wife, Mama Quilla, represents the earth; though his father is the supreme deity of his pantheon, he was the one most worshipped. FTP, name this sun god of the Incas.

Answer: Inti (accept Apu-Punchau)

25. This phenomenon causes electrons on the negative side of a capacitor to travel rapidly to the positive side. It results when there is so much charge between a capacitor that the material between the plates no longer acts as an insulator. The insulator becomes ionized and there is a spark as the electrons travel across the capacitor. For ten points, name this phenomenon which is responsible for lightning strikes during a thunderstorm.

Answer: dielectric breakdown

Bonus Questions

1. Name these Fathers of the Church:

a) For 5 points, this Bishop of Hippo wrote the *Confessions* and *The City of God*.

Answer: St. Augustine of Hippo

b) For 5 points, he wrote such works as *Against Jovinian* and *Dialogue Against the Pelagians*, but is best remembered for translating the Bible into Latin.

Answer: St. Jerome (accept Eusebius Hieronymus Sophronius)

c) For 10 points, this Archbishop of Constantinople was not a great theologian, but his eloquence made him an important leader and led to his epithet, which means "golden-tongued".

Answer: St. John Chrysostom

d) For 10 points, this Egyptian theologian and statesman wrote the *Life of St. Antony*, and led the orthodox opposition to the heresy of Arianism.

Answer: St. Athanasius

2. Name these Sinclair Lewis works named after people, FTPE.

a) One of Lewis' few sympathetic title characters, Martin is a doctor and researcher.

Answer: Arrowsmith

b) Lowell Schmalz reveals his hypocrisy and foolishness in a series of monologues recounting his travels, his business, and how he went to college with a U. S. President.

Answer: The Man who Knew Coolidge

c) Sam and Fran travel to Europe, and their marriage falls apart.

Answer: Dodsworth

3. Identify the following terms related to genetics, FTP each:

a) This term is given to a situation in which a single allele affects many different and seemingly unrelated aspects of an individual's phenotype.

Answer: pleiotropy or pleiotropism

b) This term is given to the probability that a person with a given genotype will express the expected phenotype.

Answer: penetrance

c) Epitomized by the inheritance of blood types, this is a situation where parents exhibiting two different phenotypes corresponding to a certain gene have an offspring exhibiting traits of both of those phenotypes.

Answer: codominance

4. Name the Supreme Court case having to do with illegal search and seizure FTPE.

a) This 1914 case concerned police searching a man's home for illegal lottery tickets without a warrant. The Court ruled that the evidence was inadmissible.

Answer: Weeks v. United States

b) In this 1961 case, police searched a boarding-house for evidence of gambling and discovered illegal pornography. The Court ruled that the evidence was inadmissible.

Answer: Mapp v. Ohio

c) In this 1984 case, evidence was declared admissible despite the fact that the warrant used to find it was issued on insufficient grounds. The case established the "good faith" exception.

Answer: United States v. Leon

5. It occurs when the social standards that are necessary to regulate behavior have broken down. FTP each:

a) Give this sociological term, from the Greek for "lawlessness."

Answer: anomie

b) Name the 1897 work in which the term "anomie" was invented in order to explain one form of the titular subject.

Answer: Le Suicide

c) Name the longtime Columbia sociologist who later used anomie to explain criminal behavior. His most

famous book is probably *Social Theory and Social Structure*.

Answer: Robert Merton

6. Given some lyrics, name the song title and band FFP per answer:

a) "Hot and cold / Bought and sold / A heart as hard as gold -- / Are you satisfied?"

Answer: "King Nothing" by Metallica

b) "I have stood here before in the pouring rain / With the world turning circles running 'round my brain."

Answer: "King of Pain" by The Police

c) "Royalty -- lord, it looked good on me / Buried in silk in the royal boudoir or going nuclear free."

Answer: "King of Spain" by Moxy Fruvous

7. Name these Kings of Spain FTP each:

a) This man was the first to unite Castile and Aragon as ruler; he did so through a diplomatic marriage arranged by his father John II.

Answer: Ferdinand II of Aragon or Ferdinand V of Castile

b) He gained Portugal and ruled it for almost twenty years; Spain won the battle of Lepanto during his reign, but later lost the Armada fighting England.

Answer: Philip II

c) This grandson of Louis XIV of France ruled Spain from 1700 to 1746. Predictably, his reign was one of peaceful coexistence with France.

Answer: Philip V

8. Name the plays by Chekhov from clues about their subtitles, FTPE.

a) Chekhov's description of this play as a "comedy in four acts" is puzzling, as it ends with Constantin's suicide.

Answer: *The Seagull* (*Chaika: Komediya v chetyryokh deystviyakh*)

b) Chekhov's description of this play as "scenes from country life in four acts" is accurate, given that such characters as Sonya, Yelena, and Dr. Astrov do indeed live in the country.

Answer: *Uncle Vanya* (*Dyadya Vanya: Stseny iz derevenskoy zhizni v chetyroykh deystviyakh*)

c) The description of this play as "A Joke in One Act" is accurate; however, the title is misleading, as its two characters, Smirnov and the recently-widowed Popova, are both human.

Answer: *The Bear* (*Medved*)

9. Give the chemical formulae of the following molecules:

a) FFP, acetylene, also known as ethyne

Answer: C2H2

b) FFP, potassium permanganate

Answer: KMnO4

c) FTP, sodium thiosulfate

Answer: Na2S2O3

d) FTP, metaboric acid

Answer: HBO2

10. Bizarre modern art, FTPE.

a) This Marcel Duchamp work consists of the Mona Lisa with facial hair; when read aloud in French, the title sounds like a sentence meaning "She is hot in the ass."

Answer: LHOOQ

b) This Magritte painting features the words "Ceci n'est pas une pipe" , or "This is not a pipe", below a picture of a pipe.

Answer: *The Treason of Images* or *The Treachery of Images* (*La Trahison des Images* (French) or *Het Verraad van de schilderijen* (Dutch))

c) His works include "Fat Chair", "Felt Suit", and the performance "How to Explain Pictures to a Dead Hare" in which he walked through an art gallery doing just that.

Answer: Joseph Beuys

11. Name the John Dryden poem from descriptions FTPE.

a) The title refers to Dryden's rival Thomas Shadwell, who inherits the crown of the kingdom of poetic

dullness.

Answer: MacFlecknoe

b) The Latin title refers to the year 1666; the poem describes a naval battle and the great fire of London.

Answer: Annus Mirabilis

c) Dryden's longest poem, it's a defense of Roman Catholicism expressed in the terms of a beast fable.

Answer: The Hind and the Panther

12. Name the Roman war from battles, F15PE. If you need more clues, you'll get 10:

a) For 15 -- The Battle of Asculum, Heraclea, Beneventum

For 10 -- This third century BC war is named for the king of Epirus who opposed the Romans, winning many battles but ultimately being defeated by attrition.

Answer: Pyrrhic War

b) For 15 -- The Siege of Asculum, Bovianum, the Fucine Lake

For 10 -- During the first century BC when it occurred, it was generally known as the Marsic or Italian War; its most common modern name alludes to the fact that it was a revolt by the Romans' allies.

Answer: Social War (accept Marsic or Italian War on 15-pt. clue)

13. Name these South American rivers from clues, FTPE.

a) At 1300 miles, it's the continent's fifth-longest river. It begins in Brazil, forms part of the Argentinian border, and bisects its namesake nation.

Answer: Paraguay River

b) The Paraguay River is the chief tributary of this 2000-mile-long river.

Answer: Parana River

c) The Parana joins with the Uruguay River to form this "river", which is actually an estuary.

Answer: Rio de la Plata

14. Name the things about graph theory, FTPE.

a) The origins of graph theory are generally traced to Leonhard Euler's [OIL-er's] discovery that it is impossible to cross all seven bridges in this city without re-crossing any of them.

Answer: Konigsberg (or Kaliningrad)

b) This term describes a path between two vertices on a graph which visits each vertex exactly once.

Answer: Hamiltonian path

c) This theorem states that for any integer k there exists an integer n such that any 2-colored, n -vertex graph has a monochromatic, k -vertex subgraph. This is often expressed by the statement that if there are n people at a party, it will be possible to find k people there who are all either mutual friends or mutual strangers.

Answer: Ramsey's Theorem

15. Answer the following questions about Abe Vigoda, FTPE.

a) Vigoda played Detective Phil Fish on what 70's TV show about a police station?

Answer: Barney Miller

b) Vigoda also played this disloyal caporegime of the Corleone family in "The Godfather".

Answer: Sal Tessio

c) Vigoda played the chieftain of the Waponis tribe in this 1990 comedy starring Tom Hanks as the suicidal title character.

Answer: Joe Versus the Volcano

16. Name the following Japanese warlords, FTPE.

a) Before his suicide in 1582, this member of the Fujiwara family unified half of Japan under his rule. He was the first daimyo to utilize muskets in combat.

Answer: Oda Nobunaga (names can be reversed)

b) After Nobunaga's death, this man finished the reunification of Japan and attempted to invade Korea before dying in 1598.

Answer: Toyotomi Hideyoshi (names can be reversed)

c) Nobunaga and Hideyoshi were allied with this man, who would found the Tokugawa shogunate in 1600.

Answer: Tokugawa Ieyasu (names can be reversed)

17. Answer these questions about the Quest for the Holy Grail, FTPE.

a) Though the Grail would later be most associated with Sir Galahad, the first versions of the story featured this innocent knight as the hero.

Answer: Sir Perceval

b) The Grail was used by Christ at the Last Supper; later, this man used it to catch Christ's blood at the Crucifixion.

Answer: Joseph of Arimathea (prompt on "Joseph")

c) This seat at the Round Table can be occupied only by the knight who will successfully find the Grail.

Answer: the siege perilous

18. Identify these components of a shark's external anatomy, FTPE.

a) This lateral opening of the nostril is where water enters and flows over the olfactory epithelium.

Answer: incurrent aperture

b) This opening is located posterior and somewhat dorsal to the eye and is the modified first gill arch between the jaws and the hyoid arch.

Answer: spiracle

c) Remnants of the ancestral bony armor, these are embedded in the dermis, though they are derived from both the epidermis and the dermis.

Answer: placoid scales

19. Identify the following Palestinian separatist groups, FTP each:

a) This group whose leaders have allegedly included Raed Karmi and Marwan Barghouti spun off from Yasser Arafat's Fatah movement around the start of the current intifada.

Answer: Al-Aqsa Martyrs Brigades

b) This group, which denies Israel's right to exist, is the main Islamist movement in Palestine. Its military wing, Izzedine al-Qassam, has carried out numerous terrorist attacks since 1987.

Answer: Hamas

c) Members of this Marxist-Leninist organization which was founded in 1967 assassinated Israeli Tourism Minister Rehavam Zeevi last year in retaliation for the killing of its leader Mustafa Zibri..

Answer: Popular Front for the Liberation of Palestine

20. Name these Chinese philosophers, FTP each:

a) He wrote the *Tao Te Ching*, making him the founder of Taoism.

Answer: Lao-Tzu

b) This Taoist wrote the *Nan-Hua Chenching*. He is perhaps best known for his speculation that he might be a butterfly dreaming that he was a man.

Answer: Chuang-tzu

c) This 5th-century BC philosopher founded a namesake philosophical movement based around individual piety and universal love. He argued that before morality may be judged, its standards must be defined, and also promoted peace and pride in craftsmanship.

Answer: Mo-tzu

21. Name the man, 30-20-10.

30: Once a city clerk and the national secretary and treasurer of the Brotherhood of Locomotive Firemen, he was elected to his state's legislature in 1885.

20: He spent six months in prison in Woodstock, Illinois in 1895; while there, he read and was strongly influenced by the works of Karl Marx.

10: After getting out of prison, he went on to found the Socialist Party of America, and ran for president on their ticket five times.

Answer: Eugene Victor Debs

22. Name the historian F15P each:.

a) His massive *Ab Urbe Condita* traced Rome's history in 142 books; sadly, only 35 of them exist today.

Answer: Livy (accept Titus Livius)

b) He is best known for his treatment of the philosophy of history, the *Muqaddimah*; yet, this hefty book was only an introduction to the many-volume history *Kitab al I'Bar*.

Answer: Ibn Khaldun (full name: Abdurahman bin Muhammad bin Muhammad bin Muhammad

bin Al-Hasan bin Jabir bin Muhammad bin Ibrahim bin Abdurahman bin Ibn Khaldun. Persons giving Ibn Khaldun's full name should be slapped repeatedly.)

23. Name the Wagner opera from characters, FTPE.

a) Biterolf, Wolfram von Eschenbach, and Hermann, the Landgraf of Thuringen

Answer: Tannhauser *And the Song-Battle of the Wartburg* (accept equivalents; the German is "Tannhäuser und der Sägerkrieg auf dem Wartburg")

b) Paolo Orsini, Stefano Colonna, and Irene

Answer: Rienzi *the Last of the Tribunes* (Rienzi, *der Letzte der Tribunen*)

c) Hans Sachs, Kunz Vogelgesang, and Balthasar Zorn

Answer: Die Meistersinger von Nürnberg (*The Meistersingers of Nuremberg* or *The Mastersingers of Nuremberg*)

24. Answer these questions about a group which recently disbanded F15PE.

a) This unimaginatively-named militant splinter group of the Irish Republican Army announced their disbanding on October 19 in order to further the peace process.

Answer: The Real IRA

b) The Real IRA also apologized for this bombing, the most deadly terrorist attack in Irish history, which killed 29 people.

Answer: the Omagh bombing

25. Identify the hybridization of the central atom based on the number of electron groups and geometric family FTPE:

a) tetrahedral, four electron groups

Answer: SP³

b) octahedral, six electron groups

Answer: SP³D²

c) trigonal planar, three electron groups

Answer: SP²