

30/31/02
4/18/05

Beaver Bonspiel IX Round 2

Packet by Cornell A (Scott Francis and J-Kel)

Tossups

1. This psychologist declared that transference symptoms provide the "royal road to the unconscious" based partly on work at the Hampstead Clinic, which she founded with Kate Friedlaender. Though her first paper was "Beating Fantasies and Daydreams," and her most famous book, which stresses the importance of repression, is *The Ego and Mechanisms of Defense*, she is best remembered for collaborating with the likes of Siegfried Bernfeld and Dorothy Burlingham on child psychology. FTP, name this psychologist who is less famous than her father.

Answer: Anna Freud

2. His exposure to anatomy classes and operating theatres, epilepsy, and his philosopher-friend Alfred Le Poittevin contributed to the pessimism evident in his works. His nihilistic *The Temptation of Saint Anthony* reveals the influence of Spinoza, and the love of his life, Elisa Schlésinger, provided the subject for Marie Arnoux in *The Sentimental Education*. FTP, name this author who defended his most famous character by declaring, "Madame Bovary, c'est moi."

Answer: Gustave Flaubert

3. He is described as the bright god, owing to his white armor, golden teeth, and golden-maned steed, Gull-Top. He prevents Loki from stealing Freya's necklace by defeating him in a shape-shifting contest, and is fated to slay and be slain by Loki at Ragnarok. The son of Odin by Gialp, Greip, Egia, Augeia, Ulfrun, Aurgiafa, Sindur, Atla, and Iarnsaxa, FTP, name this Norse god, the guard of Bifröst.

Answer: Heimdall

4. Before this battle, Louis XIV had declared that France would not be defeated by "a nation of shopkeepers." The French left wing was centered at Lützingen, and the right wing rested at the site. Attacks on the French right forced Camille de Tallard to weaken the French center. The Duke of Marlborough, assisted by Eugene of Savoy, broke the French center with a cavalry charge and swept the entire right wing into the Danube. FTP, identify this 1704 English/Austrian victory in the War of the Spanish Succession.

Answer: Battle of Blenheim

5. Americans destroyed a settlement on this archipelago in 1831 in retaliation for the illegal arrest of seal-hunting ships. This self-governing colony administers the dependent territories of the Shag and Clerke Rocks, and consists of about 200 small islands and two main islands. Its land is used almost entirely for raising sheep, except for its capital, Stanley. FTP, name this archipelago, the subject of a war between Great Britain and Argentina in 1982.

Answer: Falkland Islands (or Islas Malvinas)

6. He owns a SoHo art gallery featuring several works by his favorite artist Jean-Michael Basquiat, and attempted to become a rock star on the strength of such songs as "Best of Me" as a member of the Johnny Smyth Band. His recent autobiography *You Cannot Be Serious* recounts his collaboration with doubles partner Peter Fleming and his marriages to Patty Smyth and Tatum O'Neal. The host of the short-lived game show "The Chair," FTP, who is this man whose epic 1980 Wimbledon match against Bjorn Borg is probably less remembered than his numerous on-court temper tantrums?

Answer: John McEnroe

7. This simple mathematical concept can be used to prove that binomial heaps can be eager-melded in logarithmic time. Although the operation itself is logarithmic in the size of inputs, it is treated as a constant-time operation in programs. In boolean algebra, its symbol can be interpreted as "or," and fields are defined under it and multiplication. FTP, identify this operation, whose inverse is subtraction.

Answer: addition

8. His first successful work was 1741's *Artaserse*, with a libretto by Metastasio. He is known for his

belief that music's function in opera is "to serve poetry by means of expression and by following the situations of the story, without interrupting the action or stifling it with a useless superfluity of ornaments," as he wrote in his foreword to *Alceste*. FTP, name this French composer who also wrote *Paride ed Elena*, *Iphegenia en Tauride*, and *Orfeo ed Eurdice*.

Answer: Christoph Willibald Gluck

9. A series of his lectures given at Stanford was published in 1901 as *Views from an Ex-President*. Populists thought he was interested only in the elite, since the "Billion Dollar Congress" spent most of the treasury's surplus on military pensions and business subsidies during his administration. Even though the Sherman Silver Purchase Act and the Sherman Antitrust Act were passed, he failed to win re-election. FTP, name this Republican who defeated Grover Cleveland in the 1888 presidential election.

Answer: Benjamin Harrison

10. Physician Mateo Colon was the first man to examine and publish a description of it, dubbing it "my sweet newly-found land." It develops from the corpus cavernosa, and Freud said of it that when compared to the "playfellow of the other sex, it comes off badly," a development that he claimed contributed to penis envy. FTP, identify this organ, merged to the vulva by the glans, a body of erectile tissue important to female stimulation.

Answer: clitoris

11. "A huge human foot d'or, in a field azure" crushes a serpent which is biting it on the protagonist's coat of arms, which bears the family motto "Nemo me impune lacessit." The motley-clad friend accompanies the narrator into the catacombs to verify a purchase because, though he is a quack in painting and gemmery, he is sincere in the matter of old wines. Eventually, the narrator lures his unfortunate friend to a niche, chains him to it, and encloses him with bricks. FTP, name this Poe short story, in which Montresor lures Fortunato to his death, using the title container of wine as the bait.

Answer: "The Cask of Amontillado"

12. George W. Bush declared April 16, the day she died, a state holiday. The wife of Chris Perez, lead guitarist for Los Dinos, in 1990 the title track of her album *Ven Conmigo* went gold, the first such record in her genre to do so. Also known for "Techno Cumbia" and "Bidi bidi bom bom," which are part of her 1994 album *Amor Prohibido*, FTP, name this Tejano rocker, killed in 1995 by her fan club's founder and portrayed on screen by Jennifer Lopez.

Answer: Selena

13. Under this dynasty, rhyming prose called *fu* was a popular literary form, and it also saw the invention of paper, the publication of calendars, and the perfecting of lacquerwork. After Wang Mang relinquished the throne, it moved its capital to Lo'yang. It reversed the book-burning tendencies of its predecessors, making mastery of the Chinese classic a requirement of civil servants. Founded by Liu Pang, FTP, name this second great Chinese dynasty, which immediately followed the Ch'in.

Answer: Han Dynasty

14. Generally divided into eight stages ending with the Rhaetian and beginning with the Griesbachian, this period saw in its latter stages the westward extension of the Tethys Sea, which began to separate Laurasia from Gondwana. Ammonoids underwent considerable adaptive radiation after recovering from the previous period's mass extinction, and the therapsids became extinct, being replaced by the first true mammals. Named in honor of Alberti's division of German rock strata into three formations, FTP, what is this first period of the Mesozoic era?

Answer: Triassic period

15. The poet describes how "Men marched asleep. Many had lost their boots / But limped on, blood-shod. All went lame; all blind; / Drunk with fatigue; deaf even to the hoots / Of tired, outstripped Five-Nines that dropped behind." A gas attack brings "An ecstasy of fumbling, / Fitting the clumsy helmets just in time," all but one man, who "plunges at [the narrator], guttering, choking, drowning." FTP, name this lie of Horace, followed by "Pro Patria Mori," the title of a poem by Wilfred Owen.

Answer: "Dulce et Decorum Est"

16. Formed in 1869, its first presidential nominee, James A. Black, garnered 5600 popular votes, and its next two nominees, Green C. Smith and Neal Dow, fared just as poorly. In 1884, its electoral influence reached its peak, as John Pierce St. John received enough popular votes in New York to ensure that Grover Cleveland won the Presidency, but its influence was better seen in public policy. FTP, name this oldest existing third party in the U.S., which influenced the passage of the Eighteenth Amendment.

Answer: Prohibition Party

17. It describes people who can only see directly in front of them, as their legs and necks have been chained. Behind them is a raised path with a low wall, behind which men carry materials whose shadows constitute the entire world of those who dwell in the dark. One manages to leave, and witness the moon, stars, and sun, even though his eyes hurt. FTP, name this allegory appearing in Plato's *Republic*, in which the man who leaves the dark title location concludes that painful knowledge is preferable to blindness.

Answer: The Allegory (or Myth, etc.) of the Cave

18. Trees and brush dominate the foreground, and a river enters left-of-center. Many of the buildings, including a church and a tower, that constitute the title location are on the right toward the background, and all are grey. The painting is not set at night, nor during a storm, as some names for it suggest, although the clouds in the background suggest otherwise. FTP, name this El Greco landscape in which he sees his adoptive home town on the Tagus.

Answer: Vista de Toledo or View of Toledo

19. His strategic innovations included dividing his attack forces into "chest, horns, and loins." He served with distinction in the Mtetwa Empire before being recalled by his father Senzangakona's death. By 1818, he had conquered the entirety of present-day Natal, prompting the fleeing clans to begin the Mfecane, which left two million dead. After his mother's death, he began to murder pregnant women and outlaw milk, for which he was assassinated. FTP, identify this founder of southern Africa's Zulu Empire.

Answer: Shaka Zulu

20. The cause of this genetic disorder was discovered in 1991. People who suffer from it generally have a lazy eye, large ears, a high arched palate, and a long face. Affected males tend to have large testicles, but more seriously, they usually suffer from moderate to severe mental impairment, as it is the most common form of inherited mental retardation. Also known as Martin-Bell syndrome, FTP, name this disorder, caused by a mutation of the FMR1 gene on a certain sex chromosome.

Answer: Fragile X syndrome (accept Martin-Bell syndrome early)

21. The author of the still unpublished *La Cordillera*, his stories include a commentary on land redistribution in "They Gave us the Land" and a story about a father who unsuccessfully tries to convince his son to prevent him from being shot in "Tell them not to Kill Me!" Those stories appear in the collection *El Llano en llamas*, but he is better known for his story about the dead residents of Cómalo, which later became a basis for García Márquez's *Cien Años de Soledad*. FTP, name this Mexican author of *Pedro Páramo*.

Answer: Juan Rulfo

22. In 1944, he was deported from Budapest to Auschwitz, and then to Buchenwald, where he was liberated in 1945. His 1975 debut novel, *Sorstalansag*, details a young man's decision to conform and survive when taken to a concentration camp. His works reveal that "Auschwitz is not an exceptional occurrence, [but] the ultimate truth about human degradation in modern experience," according to the Swedish Academy. FTP, name this Hungarian Jewish author, the winner of the 2002 Nobel Prize in Literature.

Answer: Imre Kertesz

23. It was first observed in 1995, when Cornell and Wieman used optical molasses to cool atoms of rubidium to 0.17 microkelvins. In this state, chemical potential is zero, and the boson occupation number in the ground state is zero, so large numbers of atoms condense to form a single superatom. FTP, name this fifth state of matter, named for the Indian and Swiss physicists who proposed its behavior.

Answer: Bose-Einstein Condensate

24. Naturally occurring embers of this class of compounds include epinephrine and norepinephrine. Used in industry in dyes, rubber, and pharmaceuticals, a single benzene ring with attached to a characteristic group is called aniline. FTP, name these organic compounds which are often formed by reactions of other organic compounds with ammonia.

Answer: amines

25. He received his medical degree in 1883, and during the 1890's, his studies of the digestive system led to his earning Russia's first Nobel Prize in 1904. However, he is better known for an experiment utilizing saliva as a quantitative measure of psychological activity. FTP, identify this scientist who posited the laws of conditioned response after experiments conducted with dogs.

Answer: Ivan Petrovich Pavlov

26. It is named for its principal creator's belief that, "Your ancestors could be Irish, Polish, Jewish, Native-American, you can have that culture, but ultimately, you're" this. Described as "a chronicle of all the tragedies of the past three years," it features a 9/11-inspired track, "The Missing," along with the Columbine-inspired tracks, "Columind" and "American Cliché," and the single, "Where Do We Go from Here." FTP, identify this most recent release of Richard Patrick and his comrades in Filter.

Answer: The Amalgamut

Bonus Questions

1. ALLEZ FIGURE SKATING!!! AGAIN!!! For this bonus, Beaver Bonspiel takes you to lovely Spokane, Washington where SkateAmerica is underway... AGAIN!!! Name these participants FTP each.

a. This 2002 Olympic gold medalist was the overwhelming favorite until she was knocked out of the event by a muscle tear in her knee.

Answer: Sarah Hughes

b. This Ukrainian, who finished sixth at the 2002 World Championships and won a bronze medal at the 1995 Europeans will probably vie with Jenny Kirk and Viktoria Volchkova for second place.

Answer: Elena Liashenko

c. With a relatively weak field, it could be a golden opportunity for this Canadian, a native of St. Eustache, Quebec, to get back to the form which won her the 2000 bronze medal at the Four Continents.

Answer: Annie Bellemare

2. Name these revolutionary war battles from descriptions FTP each.

a. Washington was slowed by a snowstorm, but the Continental Army crossed the Delaware on Christmas Eve, surprising the Hessian garrison and claiming victory at this New Jersey site.

Answer: Battle of Trenton

b. In this February 1776 battle in North Carolina, Scottish highlanders under Donald MacLeod led his troops into a trap. 30 Tories were killed and 850 more were captured, while the rebel deaths numbered three.

Answer: Battle of Moore's Creek Bridge

c. This January 1781 battle in Northern South Carolina saw Daniel Morgan attack Banastre Tarleton's British troops, slowing Cornwallis' drive northward.

Answer: Battle of Cowpens

3. Identify the religious figures from clues that relate them to Martin Luther FTP each.

a. The extravagance of this Dominican preacher of indulgences, described by the rhyme "When the coin in the coffer rings, the soul from purgatory springs," prompted Luther to post his 95 Theses.

Answer: Johann Tetzel

b. Luther's principal Catholic opponent was this theologian, who helped to author and to enforce the papal bull condemning 41 of the 95 Theses, and threatening Luther with excommunication.

Answer: Johann Eck (accept Johann Maier)

c. This Pope issued the papal bull condemning Luther.

Answer: Leo X

4. Identify the works of Edmund Spenser for ten points each.

a. In a letter to Sir Walter Raleigh, Spenser described this epic chivalric romance as an allegorical celebration of Queen Elizabeth, Protestantism, and England.

Answer: The Faerie Queene

b. This collection of pastoral poetry is divided into 12 eclogues, one for each month of the year. Each is prefaced by a woodcut representing the characters and theme of the eclogue.

Answer: The Shepheardes Calender

c. Grouped with *Epithalamion*, this sonnet cycle, written to celebrate Spenser's marriage to Elizabeth Boyle, has a name meaning either "little loves," or "little Cupids."

Answer: Amoretti

5. Name these rivers FTP each.

a. Beginning in Tibet, it has been a major transportation route in India between the provinces of West Bengal and Assam. It flows about 1800 miles before it joins the Ganges in Bangladesh.

Answer: Brahmaputra River

b. Formed by the confluence of the Mali and Nmai rivers, its major tributary is the Chindwin. It flows through Mandalay and Yangon and is entirely contained within Myanmar.

Answer: Irrawaddy River

c. The Soviets constructed the Karakum Canal to divert some of its waters westward. Formed by the confluence of the Vakhsh and Panj (PYANDZH) rivers, it forms part of the boundary between Uzbekistan and Turkmenistan.

Answer: Amu Darya (River; Darya means "River", hence it need not be said)

6. 30-20-10, name the composer from works.

30: *Sinfonia Concertante, Dutch Suite in G Major*

20: *Minuet Militaire, March of the Cute Little Wood Sprites, the Erotica Variations*

10: *Iphigenia in Brooklyn, The Abduction of Figaro, the 1712 Overture*

Answer: PDQ Bach

7. Name these concepts from probability FTP each.

a. This is the set of all possible outcomes of an experiment.

Answer: sample space or state space

b. It is defined as a real-valued function of the state space. Intuitively, its value represents the outcome of an experiment.

Answer: random variable

c. For a discrete random variable X , it is defined as the sum over all possible k of k times the probability that X will equal k .

Answer: expectation or expected value or mean

8. Identify the Romantic poem from its opening lines and author FTP each.

a. "The everlasting universe of things / Flows through the mind, and rolls its rapid waves, / Now dark - now glittering - now reflecting gloom / Now lending splendour, where from secret springs / The source of human thought its tribute brings / Of waters - with a sound but half its own.", Percy Bysshe Shelley

Answer: "Mont Blanc"

b. "Thou still unravish'd bride of quietness, / Thou foster-child of silence and slow time, / Sylvan historian, who canst thus express / A flowery tale more sweetly than our rhyme.", John Keats

Answer: "Ode on a Grecian Urn"

c. "'Tis the middle of night by the castle clock, / And the owls have awakened the crowing cock; / Tu - whit! - Tu - whoo! / And hark, again! The crowing cock, / How drowsily it crew", Samuel Taylor Coleridge

Answer: "Christabel"

9. Name these reagents FTP each.

a. Made by adding sodium hydroxide to silver (I) oxide and dissolving in ammonia, when warmed in a container with a sample, it forms a silver mirror on the walls of the container if the sample contains an aldehyde.

Answer: Tollens Reagent

b. Consisting of a pink dye whose color is removed by adding sulfur dioxide, it becomes pink in the presence of aldehydes and aliphatic ketones.

Answer: Schiff's Reagent

c. A solution of mercury (II) iodide and potassium iodide, a yellow-brown precipitate forms in the presence of ammonia.

Answer: Nessler's Reagent

10. Identify the following concerning the Dioscuri FTP each.

a. The Dioscuri, sons of Zeus, were two brothers, one an immortal boxer, and the other a mortal trainer of horses. FTP, all or nothing, identify both of them.

Answer: Castor and Polydeuces (or Pollux)

b. As the sons of Zeus and Leda, Castor and Pollux were brothers to this wife of Menelaus.

Answer: Helen (of Sparta or Troy, whichever you prefer)

c. The Dioscuri are often linked to this Spartan, the husband of their mother, Leda.

Answer: Tyndareus

11. Name these Off-Broadway productions which are off Broadway for a reason FTP each.

a. This production is a two-man show featuring Simon Morley and David Friend, which bills itself as "The Ancient Art of Genital Origami."

Answer: Puppetry of the Penis

b. Called a version of "Oh Calcutta!" being put on by a "Full Monty" gang, numbers in this show include "Gratuitous Nudity," "Perky Little Porn Star," and "Nothin' But the Radio On."

Answer: Naked Boys Singing

c. A parody of 21 '60s and '70s tunes, it is "the celebration of women who are on the brink of, in the middle of, or have survived The Change."

Answer: Menopause: the Musical

12. Identify the works of Ambrose Bierce FTP each.

a. Originally published as *The Cynic's Word Book*, it is a collection of bitterly sarcastic definitions and sayings.

Answer: The Devil's Dictionary

b. Appearing in the collection *In the Midst of Life*, this short story details the execution of Peyton Farquhar.

Answer: "An Occurrence at Owl Creek Bridge"

c. This collection of short stories contains "The Damned Thing," and "Moxon's Master."

Answer: Can Such Things Be?

13. Identify the following concerning *Treponema pallidum* FTP each.

a. *Treponema Pallidum* is a bacterium that causes this disease, whose close relatives include yaws, pinta, and bejel.

Answer: sypphilis

b. *Treponema Pallidum* is corkscrew-shaped, making it this type of bacterium.

Answer: spirochete

c. This German bacteriologist invented Salvarsan 606, the first effective medicine to combat *Treponema Pallidum*.

Answer: Paul Ehrlich

14. Answer the following related economics questions, FTP each.

a. These are consequences of business firms not accounted for by the price and market system. Examples include extra traffic on highways and the increased standard of living that may be brought by establishing a new high-tech firm.

Answer: externalities

b. Extra traffic and congestion is an example of this situation, in which no individuals benefit from the cost that others must suffer.

Answer: deadweight losses

c. This theorem states that economic efficiency can be achieved with the full allocation of property rights and the freedom to trade property rights, providing a partial solution to the problems created by externalities.

Answer: Coase's Theorem

15. Name these parties in the latest Florida election screw-up FTP each.

a. Name the Democratic gubernatorial primary candidate who lost by less than 11,000 votes partly because of faulty voting equipment, absent poll workers, and the wrongful disenfranchisement of voters.

Answer: Janet Reno

b. This political novice, a lawyer from Tampa will face Jeb Bush in the 2002 election.

Answer: Bill McBride

c. In response to the problems voters experienced in the primaries, this current Florida secretary of state said, "I frankly wonder what the hell they've been doing for two years."

Answer: Jim Smith

16. Answer the following related physics questions, FTP each:

a. Appearing as a constant of proportionality in some versions of Hooke's law, this is the ratio of longitudinal stress to longitudinal strain on a body.

Answer: Young's Modulus

b. This quantity is similar to Young's modulus, but gives the change in volume of a solid subject being subjected to a change in pressure instead of the change in its length.

Answer: Bulk modulus

c. The bulk modulus can be expressed as $\lambda + \frac{2}{3}\mu$, where λ and μ are constants named for this French physicist and mathematician.

Answer: Gabriel Lame

17. The French were keen on hunting them in the 16th century, but they referred to them as the *Loup-garou*. FTP each.

a. Name these mythical creatures.

Answer: werewolves

b. This is the term for the psychological disorder in which one believes oneself to be a wolf.

Answer: lycanthropy

c. This Arcadian king was turned into a wolf by Zeus for his inhospitality and for murdering and cooking a hostage. His wickedness was largely responsible for Zeus' decision to flood the earth.

Answer: Lycan

18. Name these Swiss authors FTP each.

a. This man, though of French origin, was born in Geneva. He is famed for such tracts as *Confessions* and *Emile, or On Education*.

Answer: Jean-Jacques Rousseau

b. Born near Bern, he is principally remembered as a dramatist of tragicomedies such as *The Marriage of Mr. Mississippi* and *The Physicists*.

Answer: Friedrich Durrenmatt

c. Born in Zürich, this author detailed the destructive power of war in plays such as *Now They Sing Again* and *When the War was Over*. *The Firebugs* describes a man who allows his house to be burnt down, and the short novel *Homo Faber* plays on the Oedipus theme.

Answer: Max Frisch

19. Name these Supreme Court decisions FTP each.

a. The plaintiff mailed circulars to World War I draftees urging them not to submit to intimidation. The Court upheld his conviction on charges of conspiracy to violate the Espionage Act in 1919, establishing the "clear and present danger" standard of the First Amendment.

Answer: Schenck v. U.S.

b. In this other 1919 case, the Court applied *Schenck* to conclude that a the plaintiff, who distributed leaflets which urged American factory workers to strike to aid the Russian Revolution, violated the Espionage Act.

Answer: Abrams v. U.S.

c. In 1925, the Supreme Court upheld the conviction of the publisher of the *Left Wing Manifesto* under a state law regarding criminal anarchy, but also ruled that the First Amendment applied to the states because of the Fourteenth Amendment.

Answer: Gitlow v. (the people of) New York

20. Answer the following concerning Sixth symphonies FTP each.

a. Haydn's 6th symphony in D is known by this epithet, which means "the morning."

Answer: le Matin

b. Beethoven's 6th symphony in F is known by this adjective.

Answer: Pastoral

c. Tchaikovsky's 6th symphony in B minor shares this name with a Beethoven piano sonata.

Answer: Pathetique

21. Given cities, identify the Australian state that they are a part of FTP each.

a. Wagga Wagga, Newcastle, Orange

Answer: New South Wales

b. Cairns, Toowoomba, Gold Coast

Answer: Queensland

c. Port Lincoln, Oodnadatta, Adelaide

Answer: South Australia

22. FTP each, given a pair of interstates, name the city in which they intersect.

a. I-78 and I-95

Answer: Newark, New Jersey

b. I-35 and I-80

Answer: Des Moines, Iowa

c. I-15 and I-86

Answer: Pocatello, Idaho