

4/28/03
4/18/2003

Bear Cub Classic IV
Packet by Ray L. (plus Seth T.)
Round 7

TOSSUPS

1. There are various other ways to achieve the positive effects associated with this action, but none are known to be as discreet and publicly acceptable. It titles a short story by Kate Chopin, a silent film starring Greta Garbo, and a story by Anton Chekov. Although it can be accomplished by a person alone with a mirror, it is best achieved in pairs. Although women are known to enjoy it more than men, Bill Clinton is said to prefer it over sex. FTP name this physical phenomenon accomplished by pressing lips together.

Ans: kissing

2. He went to Sweden to instruct the Queen but ended up dying of a cold because she would only see him at five in the morning. Dividing all ways to knowledge into the two faculties of intuition and deduction, he proved the existence of God from the existence of the self, and the self from the act of doubting. Most noted for his division of substance into mind and body, he is, FTP, which founder of modern philosophy who declared that "I think, therefore I am?"

Ans: Rene Descartes

3. A graduate of Carnegie Institute of Technology, this man made underground, experimental films like *Flesh, Trash, Blow Job*, and *The Chelsea Girls*. His superstars included Ondine, Ultra Violet, Edie Sedgwick, and the transvestite Candy Darling. FTP name this artist who achieved 15 minutes of fame by painting Campbell soup cans.

Ans: Andy Warhol (acc. Andrew Warhola)

4. Born on the fourth of July, this descendant of a judge in the Salem witch trials went to college at Bowdoin, where he met writer Horatio Bridge and future-president Franklin Pierce. He invested in the utopian community Brook Farm as a business venture, getting nothing in return but the material for his novel *The Blithedale Romance*. Later, President Pierce appointed him American consul at Liverpool after his 1851 publication of *The House of Seven Gables*. FTP name this American who wrote *The Scarlet Letter*.

Ans: Nathaniel Hawthorne

5. First discovered in 1898 in nerve cells, it is found scattered throughout the cytoplasm in plants, fungi, and invertebrate animals. The cis region receives protein-containing vesicles and sends the protein through the lumen of the medial region to be labeled and into the trans region where the phosphorylated protein binds to a receptor in the membrane and pinches off as a vesicle to be delivered to the proper address. FTP name these stacks of membranous structures named after an Italian biologist.

Ans: Golgi apparatus

6. Last name's the same. The maiden name of Virginia Woolf's mother. Missouri's secessionist governor who led a rump assembly that drafted an ordinance of secession from the union in 1861. The frail, gentle being who, to the dismay of her hot tempered second husband, had apparently not yet divorced Lewis Robards. The religious leader and human rights activist who founded PUSH: People United to Save Humanity. The confederate general named Thomas Johnathan who died in Chancellorsville after securing his nickname in First Bull Run by standing erect. FTP it's also the name of Old Hickory, the seventh person to become president of the United States.

Ans: Jackson

7. Near the conclusion of this novel the paranoid Marty held up the dispatch being delivered by Gomez and Andres, but General Karkov intervenes and the message gets to General Golz via a phone call. Unfortunately, he had no way of stopping the attack, thus forcing the gang of Eladio, Primitivo, Fernando, Agustin, Rafael, and Pablo to complete the mission specified to the Ingles [ing-LESS]. Pilar, the woman of Pablo, gives up Maria to the dynamiter and ex-Spanish professor Robert Jordan, who is left behind after the mission when he injures his leg. FTP name this novel about the Spanish Civil War by Ernest Hemingway.

Ans: For Whom the Bell Tolls

8. Cosmo composed its score by making them laugh. Produced by Monumental Pictures, this imitation of *The Jazz Singer* turned *Dueling Cavalier* into *Dancing Cavalier*. Lina Lemont was dubbed by Kathy Selden, the girl who popped out of a cake, but Don Lockwood sings "Broadway Melody" and makes Kathy a star. Notoriously quoted in *A Clockwork Orange*, he stamps his feet into a puddle of water, sees a policeman, and hands his umbrella to a stranger, while humming the title tune in, FTP, what Gene Kelly musical?

Ans: *Singin' in the Rain*

9. In signal detection theory, it is the name of both the outcome probabilities of hits and false alarms and the payoff table for correct responses. In biology, it is the region enclosed by the inner membrane of mitochondria containing ribosomes and DNA necessary for cellular respiration. The first word in the expansion of the name of the programming language Matlab, it is most famously used in linear algebra, where these structures can be transposed and possibly inverted. FTP name the rectangular array of numbers made into a movie starring Keanu Reeves.

Ans: matrix

10. His opponents included Porus in the battle of the Hydaspes, and Darius III at the battle of Issus. Among his generals were Antigonos the One-Eyed, Seleucus, and Ptolemy. The son of Olympias and Phillip II of Macedon, he supposedly loosed the Gordian knot by cutting it with his sword. FTP, name this conquering Macedonian whose empire stretched from Greece into India before his 323 BC death.

Ans: Alexander III the Great or Alexander III Phillipoupou Makedonon Alexandros III Philippou Makedonon

11. Failing to gain a seat in the Senate in 1894, he became editor of the Omaha World Herald, two years before his most famous public performance. As secretary of state, he supported the 1914 Mexican intervention but resigned after the Lusitania incident, becoming at odds with the Wilson administration by advocating prohibition of loans to Britain and France to ensure neutrality in World War I. Dying a week after winning a case against a teacher who taught evolution in Tennessee, he fought unsuccessfully to repeal the Sherman Silver Purchase Act. Running and losing three times for the presidency, FTP, name this Populist-Democrat who gave the "Cross of Gold" speech.

Ans: William Jennings Bryan

12. While he embraces magic, the hero of this play is also identified with the proudest intellectual values of the Renaissance. A scientist and a scholar, he envisions Helen of Troy as the embodiment of supreme beauty. Valdes and Cornelius are his friends; and he is from the University of Wittenberg. The author of this play didn't sell his soul, but he probably sold his services to the queen's secret service. FTP identify this Marlowe play whose title character is seduced by Mephistophilis.

Ans: *The Tragical History of the Life and Death of Doctor Faustus*

13. The atmospheric methane of this planet absorbs light at the red end of the spectrum, while an unusual magnetic field governs its rotation. William Lassell discovered two of its moons: Umbriel and Ariel, while Gerard Kuiper found Miranda. The only planet with an equator lying on a perpendicular plane, it has 11 rings, the outermost of which is called the epsilon ring. Discovered in England by the German astronomer William Herschel, FTP, name this third largest planet in the solar system that lies beyond Saturn.

Ans: Uranus

14. Berlioz wrote a two-part opera about them that depicted their destruction. Their existence was confirmed by an excavation by Heinrich Schliemann and their homes were destroyed by Greeks. They lived in modern day Turkey in a location hinted at by Homer. FTP name this group of people led by Priam whose native city was destroyed by a siege with a wooden horse.

Ans: Trojans

15. While the Tang dynasty is famous for its poetry and the Song dynasty is famous for its prose, this succeeding dynasty is most famous for its music. During its reign, China's three great inventions of printing press, gun powder, and compass are passed to Europe; Beijing becomes the new capital; and China

achieves its greatest territorial expansion. It was during this period that Marco Polo made his visit to the court of Kubla Khan. FTP name this Chinese dynasty that saw the rule of Mongols.

Ans: Yuan; prompt on Mongol early

16. Anne Marie Vicksey died in it and Julia Hickson got rescued from it, despite looking very much like a doll. Dr. Mariam Kent has devised a new therapeutic technique to be used on the son of a billionaire who went into a coma. Accompanied by his dog Valentine, Carl Stargher captures his victims, bleaches them, then hangs them on rings pierced into the body. Peter Novak and Catherine Deane go inside the mind of Stargher to destroy the evil force that controls him, only to find the child in him dead. FTP name this 2000 movie in which Jennifer Lopez enters the title contraction of the criminal mind.

Ans: The Cell

17. He invented his poetry after looking at the intricate patterns of the Pre-Raphaelites and discovering the works of Ezra Pound. Known for his emphasis on how a poem looks on paper, he experimented with popular diction, hyphenation, punctuation, and capitalization. His first literary success is an account of his experience in a French prison camp in World War I, having been arrested for his open disdain for the bureaucracy. FTP name this modern poet who wrote *in Just-*, *anyone lived in a pretty how town*, and *The Enormous Room*.

Ans: Edward Estlin Cummings

18. Important properties of this substance include its high heat capacity and high heat of vaporization, which allow it to act as a heat absorbant and minimize environmental temperature changes. It has a tetrahedral shape and two lone pairs, making it a polar substance. In addition to its cohesive and adhesive properties, its solid form can often be found floating in the ocean because it is less dense than its liquid form. FTP name this substance in which life originated that today covers three-fourths of Earth's surface.

Ans: H₂O; or water

19. There's an island and a baseball team named after them in California. The elemental one rules over games of chance while the highest ranking one rules over the waters. Their existence was reasserted by John Paul II in 1986. One of them brought Allah's word to Prophet Muhammad, another handed down the Ten Commandments to Moses, and another came down to Earth to tell Mary that she is bearing the son of God. FTP name this supernatural being intermediate between God and humans.

Ans: angels

20. Rising in the Tanggula Mountains of Qinghai Province, this 6300-kilometer-long river is colloquially described as "Long River," the translation of its name in Chinese. Passing through the Three Gorges at Qutang and Wu, this river boasts of the world's largest dam. FTP what longest river in China empties into the East China Sea at Shanghai?

Ans: Chang Jiang; or Yangtze River

21. Born on an island off the coast of Asia Minor, this poet eventually married and had a daughter. She is famous, however, for her lyric poetry inspired by her youthful love affairs. Scholars at the Alexandria library arranged her poems in nine books, but only two complete poems remain today. FTP name this tenth muse who celebrated the love of young women for each other, a resident of Lesbos.

Ans: Sappho

22. The G-protein coupled receptors for this class of drugs can be divided into the delta, kappa, and mu varieties, and are found primarily in the locus coeruleus and the periaqueductal gray. In 1975, neuroscientists found two similar endogenous peptides named enkephalins that mimic its action to relieve pain. Its major active ingredient is extracted from poppy flower seedpods and its artificial derivative is a popular, addictive substance of abuse called heroin. FTP name this class of analgesic drugs whose major active substance is morphine.

Ans: opiates; or opium; prompt on heroin and morphine before they are mentioned

BONUSES

1. Identify the book from quotes, 30-20-10.

(30) "Crush humanity out of shape once more, under similar hammers, and it will twist itself into the same tortured forms."

(20) "It is a far, far better thing that I do, than I have ever done."

(10) "It was the best of times; it was the worst of times."

Ans: A Tale of Two Cities

2. Give the symbols for these elements as found in the periodic table, none of which start with the same letter as the element, FFPE.

(5) Iron

Ans: Fe

(5) Sodium

Ans: Na

(5) Potassium

Ans: K

(5) Lead

Ans: Pb

(5) Tungsten

Ans: W

(5) Antimony

Ans: Sb

3. Given a famous conductor, identify the city with which he is best associated, FTPE, or 5 if you need another clue.

(10) Fritz Reiner

(5) Reiner's orchestra plays indoor cuz its windy outside.

Ans: Chicago

(10) Herber von Karajan [CARRY-ON]

(5) Karajan's orchestra played when the east side and the west side came back together.

Ans: Berlin

(10) George Szell

(5) Szell's orchestra rocks.

Ans: Cleveland

4. Identify these battles from the American Revolutionary War in which the British surrendered substantial portions of their troops FTPE.

(10) In this 1777 battle, American blocked Burgoyne at Bemis Heights. The British failed to break through American defenses and withdrew to the namesake location, where they surrendered in October. This key victory assured American independence.

Ans: Saratoga

(10) Cornwallis arrived here from Petersburg in 1781. Washington and French naval forces surrounded the British army and accepted its surrender, ending the war.

Ans: Yorktown

(10) American Daniel Morgan enveloped the British troops under Tarleton in this classic 1781 South Carolina battle, capturing all British forces.

Ans: Cowpens

5. Author from poems, FTPE.

(10) "On First Looking into Chapman's Homer," "The Eve of Saint Agnes," "Endymion."

Ans: John Keats

(10) "To a Waterfowl," "The Flood of Years," "Thanatopsis"

Ans: William Cullen Bryant

(10) "Because I Could Not Stop for Death," "I Heard a Fly Buzz When I Died."

Ans: Emily Dickinson

6. Answer the following from electrical physics, 5-10-15.

(5) Often denoted by Q, this property of matter is measured in Coulombs. The electron is negative in this while the proton is positive.

Ans: charge

70 (10) Symbolized by C, and usually found as a parallel plate, this circuit element stores charge creating an electric field.

Ans: capacitor

(15) The derivative of the voltage across a capacitor times the capacitance is equal to this.

Ans: current ($Q = CV$)

7. Identify the American president given the candidate he defeated to win his first term in office FT or from the year FF.

(10) Hubert Humphrey

(5) 1968

16 Ans: Richard M. Nixon

(10) Horatio Seymour

(5) 1868

Ans: Ulysses S. Grant

(10) James G. Blaine

(5) 1884

Ans: Grover Cleveland

8. Final Fantasy Online released their list of top 10 Final Fantasy characters. Name them for FTPE.

(10) At number 7 is this black mage who once asked "How do you prove that you exist?" That isn't surprising because he turns out to be a manufactured clone. Gamers recognize him as Square's homage to the good old days of the early Final Fantasies.

Ans: Vivi Ornitier

200 (10) At number 2 is this evil doer who proclaims that "[he] will create a monument to non-existence." Having knocked off his boss, Emperor Gestahl, he rules over the World of Ruins with the madness of destruction.

Ans: Kefka Palazzo.

(10) Surprisingly, the number 1 title goes to this character who said "Power is only used for ambition and greed," and "I wish I'd never been born." She is a general programmed to be emotionless and calculating, but a meeting with Locke changed her forever. You may remember her as the soprano in the famous opera scene.

Ans: Celes Chere

9. Identify these works by Virginia Woolf, FTPE.

(10) The preparations for a party conjures up the title character's experiences at different times in her life.

Ans: Mrs. Dalloway

80 (10) Multiple perspectives of different characters reveal their relationship to the dead Percival while ten interludes construct the passage of a single day from morning to night.

Ans: The Waves

(10) This essay examines the history of literature written by women and the famous anecdote of Woolf being forbidden entrance to a university library because she was female.

Ans: A Room of One's Own

10. Identify these theologians of the High Middle Ages, FTPE.

(10) This Dumb Ox, the Angelic Doctor, wrote a theological survey of all of knowledge, putting God at the apex of a hierarchy of abstractions and demonstrating that reason and faith could not be in conflict, the *Summa Theologica*.

Ans: Thomas Aquinas

(10) This Italian wrote *Cur Deus Homo?* i.e. "Why Did God Become Man?" giving a reasonable explanation to show why the Son of God had been incarnated as a man to save mankind.

Ans: Anselm

(10) This Parisian wrote *Sic et Non*, i.e. "Yes and No," a collection of inconsistent statements made by

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Fathers of the Church, applying logic to show wherein the truth of Christian doctrine really lay.
Ans: Peter Abelard

11. Architect from architectural work, FTPE.

(10) Kaufmann House "Falling Water."
Ans: Frank Lloyd Wright

(10) The Bauhaus building.
Ans: Walter Gropius

(10) Rock and Roll Hall of Fame.
Ans: I. M. Pei

12. Countries from capitals, FFPE.

(5) Ottawa
Ans: Canada

(5) Brussels
Ans: Belgium

(5) Tehran
Ans: Iran

(5) Rangoon
Ans: Burma

(5) Wellington
Ans: New Zealand

(5) Monrovia
Ans: Liberia

13. Name these vices associated with corruption in the church, FTPE.

(10) Giving lucrative church positions to ones own children or relatives.
Ans: nepotism

(10) Selling divine grace for money so that the repentant might escape punishments of purgatory.
Ans: indulgences

(10) Buying or selling a church office.
Ans: simony

14. Identify the common year, 30-20-10.

(30) Grand Coulee Dam starts operation and the Manhattan Project begins.

(20) *How Green Was My Valley* beats *Citizen Kane* for the Oscar.

(10) The Japanese bomb Pearl Harbor.
Ans: 1941

15. Answer the following about Jacques Offenbach, FTPE.

(10) Offenbach was one of the leading composer for the operetta form. Name the other notable operetta musician, a Viennese who was inspired by Offenbach to write music for his Waltz-filled dramas.
Ans: Johann Strauss, Jr.

(10) Offenbach's most famous operetta is this mythologically inspired work with an overture by Carl Binder. It famously quotes the catchy can-can.
Ans: Orpheus in the Underworld; or Orphee aux enfers

(10) Offenbach's serious unfinished opera was completed by Guiraud. It boasts of a Barbier and Carre libretto based on a set of famous stories.
Ans: The Tales of Hoffman; or Les contes d'Hoffmann

16. Identify the following *Canterbury Tales*, FTPE.

(10) A knight can only save his life by finding out what it is that women want most of all. When an old ugly widow tells him the secret: that women want power over men, he is forced to marry her for saving his life.
Ans: The Wife of Bath's Tale

(10) The cock Chanticleer dreams of death and speaks fear; his wife the hen Pertelote laughs in his face.

250
295

120
115

275

145

295

Indeed Chanticleer gets abducted by a fox because of his vanity for his voice, but he narrowly escapes.

Ans: The Nun's Priest's Tale

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(5) (10) This unfinished tale was broken off because it was so foul. It follows the young prentice Perkin who leaves his master to engage in stealing, gambling, and other jovial activities, marrying a wife who fed herself through prostitution.

Ans: The Cook's Tale; accept equivalents, e.g. chef's tale

17. This is an intelligent question, FTSNOP.

- (5) What organ of the human body that sits in the head is the source of cognition, reasoning, perceptual processing, and intelligent behavior?

Ans: brain

- (5) What field of computer science, the namesake of a Steven Spielberg movie, studies computational models of the brain and attempts to mimic intelligent behavior?

Ans: artificial intelligence

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(10) This computational structure used in artificial intelligence models the namesake cells of the brain as single-output units with multiple weighted inputs, forming a connectionist system.

Ans: neural networks

- (10) Suppose that I have a question concerning the existence of your question, and that your question concerns the existence of my question. According to Douglas Hofstadter's Pulitzer Prize-winning book, why is this question intelligent? Hint: the appropriate name from the title is sufficient.

Ans: Because Godel's Incompleteness Theorem creates a strangeloop, the necessary condition for intelligence.

18. Expand these abbreviations defined in my dictionary, FTPE.

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(10) A.K.A.

Ans: also known as

- (10) ETC.

Ans: et cetera

- (10) C.O.D.

Ans: cash on delivery

19. Name these characters from *Crime and Punishment*, FTPE.

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(10) He was the friend of Roskolnikov whose drinking made his wife Katerina Ivanovna drag him by his hair. He dies after being run over. Roskolnikov helps to pay for his funeral and comforts his family.

Ans: Marmelodov

- (10) Along with Kolya and Lida, she is a child of Marmelodov. She resorts to prostitution to support the family. Roskolnikov falls in love with her and they endure Siberia together.

Ans: Sonia or Sofya Semyonovna

- (10) Roskolnikov confessed to this man, the explosive lieutenant, who earlier started the rumor that Roskolnikov is the culprit when he saw him faint when the police discussed the murder.

Ans: Ilya Petrovich; either name acceptable

20. Identify the following components of the neuronal synapse, FTPE.

- (10) This is the space between the presynaptic and postsynaptic membrane, measuring about 20 to 40 nm.

Ans: synaptic cleft; or synaptic gap though it isn't technically correct

- (10) These are chemical substances released by presynaptic vesicles due to electrical activity in the axon. Famous varieties include acetylcholine, dopamine, and glutamate.

Ans: neurotransmitters; or synaptic transmitters

- (10) These molecules found in the postsynaptic membrane capture and react to neurotransmitters.

Ans: receptors