

8/22/03
8/25/05

Bear Cub Classic IV
Packet by Juliana F. and Paul L.
Round 6

1. Simon Stimson, who is dead in Act III of this play, conducts the choir's Act I rendition of "Blessed Be the Tie That Binds". We never see the newspapers delivered by Joe Crowell, Jr., or Bessie, milkman Howie Newsome's horse. One of the characters wants to put a copy of the play itself into a proposed time capsule. This same character calls out Professor Willard to tell the audience a few facts about the play's location, and as clergyman marries George and Emily. FTP, name this play about the Webbs, the Gibbs, and the community of Grover's Corners, by Thornton Wilder.

Ans: OUR TOWN

2. This author of *The Cardinal's Mistress* was the son of a blacksmith and a schoolteacher. He himself qualified as a headmaster in 1901 and the next year sought employment in Switzerland, where he couldn't find permanent work and was arrested for vagrancy before being expelled from the country. As a socialist and self-described "anti-patriot" he edited the newspaper *The Class Struggle*, but it was as the founder of the paper *Il Popolo d'Italia* and the prowar group *Fasci d'Azione Rivoluzionaria* that he made his mark. FTP, name this man, known as *Il Duce*, the Fascist Dictator of Italy until his 1945 execution.

Ans: Benito MUSSOLINI

3. His grandfather was a kapellmeister and bass singer and his father a tenor working for the elector of Cologne. His father gave him his first music lessons in the hopes of producing another Mozart, whom this composer would later play for in 1787, also perhaps receiving lessons from the man himself. Although he was unable to compose it, he promised a tenth symphony to the London Philharmonic Society. The 1802 "Heiligenstadt Testament" is a description of the increasing deafness of the man who, FTP, nevertheless composed the 1804 *Eroica* symphony and 1814 *Fidelio*.

Ans: Ludwig van BEETHOVEN

4. The 1997 Nobel Prize for Chemistry was awarded to John Walker, Paul Boyer, and Jens Skou for their studies of this compound. Eighteen molecules of it are used when one molecule of glucose is produced in the Calvin cycle, while in glycolysis and the Krebs cycle, 4 molecules of it are directly produced, and 34 more are produced from oxidation of the NADH and FADH₂ formed in the cycle. FTP, name this molecule composed of a particular nucleotide base, a ribose, and three phosphate groups, the central energy storage unit for a cell.

Ans: ATP or ADENOSINE TRIPHOSPHATE

6. *Sixes and Sevens*, *Waifs and Strays*, and *Rolling Stones* were posthumous collections of some of the works of this writer, who had in life founded a humorous weekly called *The Rolling Stone*. To fund this endeavor, and also to aid his consumptive wife, he "borrowed" some money from the bank where he was working and was subsequently convicted of embezzlement and sent to prison. Name this man, born William Sydney Porter, who while imprisoned adopted his better-known name and began to write such works as, FTP, *The Last Leaf*, *The Ransom of Red Chief*, and *The Gift of the Magi*.

Ans: O. HENRY (accept William Sydney PORTER before the name is mentioned)

7. Originally formed as "Composition of Sound" in 1980, this band quickly changed its name after recruiting its fourth member, although Vince Clark left in 1981 to form Yazoo. The band released its debut album, "Speak & Spell", in November 1981, and would follow up with albums including "Some Great Reward" and "Music For The Masses" over the subsequent years. It reached its greatest fame in 1990, however, with the release of "Violator". FTP, name this band, whose name translates from the French as "fast fashion", known for "Enjoy the Silence" and "Just Can't Get Enough".

Ans: DEPECHE MODE

8. Located on the northwest slope of the Tharsis Bulge, the most volcanically active region of the planet, this volcano is a shield volcano built up from lava flow like Mauna Loa, but while the Earth's tectonic plates are constantly moving, preventing volcanoes from growing to great heights, the lack of tectonic activity here, along with the lower gravity, has allowed this volcano to build up to a height of 15 miles and a diameter of more than 300 miles. FTP, name this Martian volcano, the largest mountain in the solar system.

Ans: OLYMPUS MONS

9. Despite its name, it was never publicly spoken by its author; instead, it was published in the Philadelphia newspaper American Daily Advertiser. It warned against the problems of the party system, strongly advocated a policy of neutrality, and outlined his case for not seeking a third term of office. Beginning "the period for a new election of a citizen to administer the executive government of the United States being not far distant", FTP, name this address, given by a retiring president in 1796.

Ans: George _WASHINGTON'S FAREWELL_ address (or equivalent)

10. Since the most common form of this index is derived from urban data, it may be inaccurate when applied to rural areas; similarly, although it is often referred to as a "cost of living" measurement, this is an inaccurate term, since it only covers purchased goods and services. It is derived by computing the price of a "market basket" of goods, which represent a typical selection that a consumer would purchase. FTP, name this indicator, usually used as an index of inflation for consumers.

Ans: _C_onsumer _P_rice _I_ndex

11. His crest is "shorn and shaven" and he steps "with many a flirt and flutter". His apt reply to a muttered fear makes the speaker of the poem in which he appears startled, then beguiles him into smiling while wondering what the title creature meant by his croak. The narrator is not perturbed when "not the least obeisance made" the title creature, but when it denies his desire for "respite and nepenthe", he calls it a "thing of evil! - prophet still, if bird or devil." FTP, name this "ungainly fowl" who says only "Nevermore" in a poem by Edgar Allan Poe.

Ans: The _RAVEN_

12. Ludwig Boltzmann was so proud of the equation that he derived for this quantity that he asked for it to be placed on his tombstone. The equation states that this quantity is simply equal to Boltzmann's constant times the logarithm of the total number of states available to the system, which corresponds with the intuitive view of this quantity as a measurement of disorder. FTP, name this quantity, which the Second Law of Thermodynamics tells us will always increase in the universe.

Ans: _ENTROPY_ (prompt on an early "S")

13. This man was embroiled in controversy in September when Republicans charged that one of his staff members had secretly planted an operative in his opponent's strategy session and leaked the resulting tape to the media. Despite that, however, he is still leading his challenger, Greg Ganske, in the polls, despite Republican hopes that they would be able to pick up his important Senate seat. FTP, name this incumbent Democratic senator currently seeking re-election in Iowa.

Ans: Tom _HARKIN_

14. The low sales of this book prompted its author to start his own publishing house, Webster and Company, which folded in 1894, nine years after it was founded. The book's titular protagonist is, according to the author "a combination ... of three boys whom I knew," and apparently "would be President, yet, if he escaped hanging." After getting a bible, the title character says that the two first disciples were David and Goliath; later in the book he loses his girlfriend when she learns of his prior "engagement" to Amy Lawrence and attends his own funeral. FTP, name this book, the story of one summer in the life of Huck Finn's best friend, written by Mark Twain.

Ans: _TOM SAYWER_

15. In the Bohr model of the hydrogen atom, it is provided by the electrical attraction between the electron and the nucleus, and in the Earth's rotation around the Sun, the gravitational force is responsible for it. The formula for it can be correctly derived solely from dimensional analysis principles, assuming that the variables it depends on are mass, velocity, and the radius of the circle. It is necessary because while the speed is constant, the direction of the velocity is constantly rotating. FTP, name this force, the force which causes objects to move in a circle.

Ans: _CENTRIPETAL_ force (accept "centripetal acceleration" before "mass")

16. Over the summer of 2002, he flirted with basketball, playing games with the Adirondack Wildcats of the USBL before returning to his original sport. This wasn't completely surprising, since he was a two-sport star at the University of Tennessee-Chattanooga before switching solely to football. The move, not surprisingly, also further strained his already-poor relations with his coach Steve Mariucci. FTP, identify this two-time Pro Bowl wide receiver for the San Francisco 49ers.

Ans: Terrell _OWENS_

17. Aside from California, this state is the only one to have an official lowest point lower than sea level. Its average elevation is only 100 feet above sea level, and its highest point is Driskill Mountain, at a mere 535 feet above sea level along the Arkansas border. Not surprisingly, it is dotted with lakes, including its largest lake, Lake Pontchartrain. For ten points, name this state, whose low elevation is due to its lying at the end of the Mississippi River.

Ans: LOUISIANA

18. The first use of the term used to describe the events of this historical episode was in a letter written by Robert Spencer, Earl of Sunderland. Rumors of the Queen's pregnancy combined with the issuance of two Declarations of Indulgences led to wide-spread fear of an absolutist and unsympathetic dynasty. During the Trial of the Seven Bishops, a letter, signed by the "Immortal Seven" was carried by Athur Herbert, Earl of Torrington, to the Netherlands. From there, Prince William of Orange set sail, attacked the forces of James II, and, with his consort, James' daughter Mary, was made ruler of England. FTP, name this 1688-9 so-called "Bloodless Revolution" which resulted in the British Declaration of Rights and Bill of Rights.

Ans: GLORIOUS REVOLUTION (accept BLOODLESS REVOLUTION before it is mentioned in the question)

19. A 1992 Norweigan mini-series, a 1986 West German short subject, and a 1951 Americanization share the name of this 1931 film. Its original name, "The Murderers are Among Us" was a reference to the Nazi party's Brownshirts but was changed by the Jewish director for fear of persecution should the title be correctly understood. The movie was the first big German sound production, and it is his whistling of "In the Halls of the Mountain King" that gives the killer away. FTP, name this Fritz Lang movie, starring Peter Lorre as a child murderer caught by "normal" criminals who are disturbed by the police hunt, whose title is the 13th letter of the alphabet.

Ans: M

20. The battle began when General Harry Heth [PRON: "Heath"] led elements of his division into town in search of new shoes for his troops, and ended two days later, on July 3, when the attack of Pickett's division failed to break the Union center. After the defeat, Lee's Confederate army was forced to retreat from Pennsylvania back into Virginia, and would never again threaten Northern territory. FTP, name this Civil War battle of 1863, remembered today for Abraham Lincoln's address after the battle.

Ans: GETTYSBURG

21. The name's the same. One is the murderous brother of Dido who kills her husband Sychaeus and from whom she flees to Carthage. It is also the name of the play with Freddie Eynsworth-Hill, Pickering, Henry Higgins, and Eliza Doolittle which would later be adapted as the movie My Fair Lady. In his role as molder of Eliza, Henry is a latter-day analog of this Cyprian who created a beautiful statue, then fell in love with it. FTP, name the man whose prayer answered by breathing life into Galatea.

Ans: PYGMALION

22. Born in New Rumley, Ohio, this man as an officer failed to stop a fight between two cadets several days after finishing last in his class at West Point. The only thing that saved him from being court-martialed was the outbreak of the Civil War, during which he performed surprisingly well, receiving the table on which the Appomatox surrender had been signed in recognition. His success would end with the war, however, with, FTP what man meeting his fate on June 25, 1876 at the hands of Lakota, Cheyenne, and Arapaho warriors at Little Big Horn?

Ans: General George Armstrong CUSTER

23. They differ from normal nouns or adjectives in that they can still take objects, reflecting their origin. This is probably why people often use them incorrectly, by leaving them dangling, splitting them, or creating sentence fragments by forgetting that they're not actually verbs any more. For ten points, name this category of word, a noun, adjective, or occasionally adverb formed from a verb, consisting of gerunds, participles, and infinitives.

Ans: VERBAL (prompt on any of the three individual parts on early buzz)

BONUSES

1. Identify these Asian rivers, FTPE.

a) This 1,560-mile-long river originates in the Himalayas and flows southeast towards the Bay of Bengal, where it is joined by the Brahmaputra before reaching Calcutta.

Ans: _GANGES_

b) This 2,600-mile-long river originates in Tibet and flows south through China, Laos, Cambodia, and Vietnam. Its delta is home to Ho Chi Minh City, formerly Saigon.

Ans: _MEKONG_

c) This 1,000-mile-long river, the chief river of Myanmar (formerly Burma), flows south past Mandalay to the Andaman Sea.

Ans: _IRRAWADDY_ (or _AYEYARWADY_)

2. Given a one-term president, name the year in which he won his election, FTPE.

1) John Adams

Ans: _1796_

2) James Buchanan

Ans: _1856_

3) Jimmy Carter

Ans: _1976_

3. Answer the following about spherical mirrors, FTPE.

a) This point is the image point for infinitely far away objects; it is the point where all incoming parallel rays are reflected.

Ans: _FOCAL_ point or _FOCUS_

b) If a spherical mirror has a radius of curvature of 50 cm, what is the focal length of the mirror in centimeters?

Ans: _25_ cm

c) A very curved spherical mirror won't quite focus all the rays at the same point. In order to correct this, what shape, instead of a sphere, does the mirror need to have?

Ans: _PARABOLA_ or _PARABOLOID_

4. Name the author from lines F15PE; if you need the name of the poem, you'll receive 10.

15) "Water, water, every where,/ And all the boards did shrink;/ Water, water, every where,/ Nor any drop to drink."

10) The Rime of the Ancient Mariner

Ans: Samuel Taylor _COLERIDGE_

15) "Half a league, half a league,/ Half a league onward,/ All in the valley of Death/ Rode the six hundred."

10) The Charge of the Light Brigade

Ans: Alfred, Lord _TENNYSON_

5. Answer these questions about personalities appearing on Apple's "Switch" ads, FTPE.

a) This Switch spokesman and professional skateboarder is perhaps better known for the line of skateboarding video games bearing his name.

Ans: Tony _HAWK_

b) Another big name to endorse the Mac is this star surfer and Baywatch actor, winner of a record 6 Association of Surfing Professionals titles.

Ans: Kelly _SLATER_

c) This high school student became a mini-celebrity on the Internet after her appearance in her ad fueled speculation that she was stoned at the time.

Ans: Ellen _FEISS_

6. Name the Roman family from members, 30-20-10.

30) Decius was ordered by the Senate to refuse to give up his province to Antony, who warred against him in 43 BCE.

20) Junius overthrew the last king of Rome, Tarquin the Proud, after the rape of Lucretia in 509 BCE and served as one of the first two consuls of Rome.

10) Marcus Junius headed the conspiracy to assassinate Caesar with Cassius, then killed himself when it was clear that his forces were losing Philippi.

Ans: _BRUTUS_

7. Answer the following questions about prime numbers, FTPE.

a) Who first proved that there were an infinite number of primes?

Ans: EUCLID

b) Whose still-unproved conjecture states that any even positive integer can be expressed as the sum of two primes?

Ans: GOLDBACH

c) What theorem states that any positive integer has a unique prime factorization?

Ans: FUNDAMENTAL theorem of ARITHMETIC

8. Name the character from clues, 30-20-10.

30) His companion thinks that his "sudden and easy transition from madness to sanity [is] a certain signal of his approaching death" and so, no longer the rational servant to an irrational master, encourages him to continue looking for his lady-love, whom he hopes may be found behind a bush.

20) This man "is said to have gone by the name of Quijada, or Quesada - though it is most likely that he was called Quijadas", but the name by which he chooses to be known is the name for a kind of armor that a knight wears to protect his thigh.

10) Appearing in a book by Cervantes, he seeks adventure and the Lady Dulcinea in the Spanish countryside with his horse Rosinante and squire Sancho Panza.

Ans: Hidalgo Don QUIXOTE de la Mancha

9. Name the Jewish holiday, FTPE.

1) The Jewish New Year, this day occurs nine days before Yom Kippur.

Ans: ROSH HASHANAH

2) This "Feast of Lots" celebrates the downfall of the wicked Haman through the actions of Mordechai and Esther.

Ans: PURIM

3) This "Festival of Lights" lasting eight days and eight nights commemorates the victory of the Maccabees over the Syrians under Antiochus and the rededication of the Temple.

Ans: CHANUKAH

10. Answer the following about boron trifluoride (BF₃), FTPE.

a) Since boron trifluoride only has six valence electrons, the Lewis dot structure violates what rule?

Ans: OCTET rule

b) According to VSEPR [PRON: "vesper"] theory, what shape will boron trifluoride take?

Ans: TRIGONAL planar (do not accept "trigonal pyramidal")

c) Since boron trifluoride can readily accept electron pairs, this makes it what kind of acid?

Ans: LEWIS acid

11. Given an opera, tell how the titular female character commits suicide, FTPE.

1) Tosca

Ans: JUMPS TO HER DEATH (accept equivalents)

2) Madama Butterfly

Ans: STABS HERSELF (accept equivalents)

3) Aida

Ans: arranges to be BURIED ALIVE (accept equivalents)

12. Answer the following about close Presidential elections, FTPE.

a) Only twice has an election been decided by a vote in the House of Representatives. Name the winner either time.

Ans: Thomas JEFFERSON (1800) or J_ohn_Q_uincy_ADAMS (1824)

b) Three times the winner in the Electoral College has had fewer popular votes than the winner. One was George W. Bush in 2000, of course. Name either of the other two.

Ans: Rutherford Birchard HAYES (1876) and Benjamin HARRISON (1888)

c) In the 1960 Kennedy-Nixon race, Nixon conceded after losing this state, in which he alleged fraud had occurred when he lost by fewer than 9000 ballots out of more than 4.6 million cast.

Ans: ILLINOIS

13. Name these characters from a play by Sophocles, FTPE.

1) The title character, this girl is buried alive after daring to bury her brother Polyneices.

Ans: ANTIGONE

2) This man, Antigone's uncle, issued the edict that demanded her death.

Ans: CREON

3) This girl, Antigone's sister, does not want to break the law, but in the end she begs to share her sister's fate.

Ans: ISMENE

14. Answer the following about the three winners of the 1973 Nobel Prize for Physiology or Medicine, FTPE.

a) One of the winners was Karl von Frisch, who studied the communication of this type of creature, especially their distinctive "waggle dance".

Ans: honey BEEs

b) Konrad Lorenz, another winner of the prize, studied instinctive activities of birds, especially focusing on this particular kind of behavior in which, for example, a newborn duckling will follow the first moving object it sees.

Ans: IMPRINTING

c) The third winner was also the brother of the man who won the first Nobel Prize in Economics in 1969. Name him for a final ten points.

Ans: Nikolaas TINBERGEN

15. Answer these questions about the family of Helen of Troy, FTSNOP.

1) FTP, this woman was Helen's mother. Zeus came to her as a swan.

Ans: LEDA

2) F5PE, these twins, one a boxer and one a horseman, were Helen's brothers.

Ans: CASTOR and POLLUX

3) This woman, wife of Agamemnon, was the fourth child born out of the egg which Leda bore.

Ans: CLYTEMNESTRA

16. Barry Bonds has been rocketing up the list of all-time home run leaders lately, so Ans these questions about some other people on the list, FTPE.

a) This person whom Barry is currently directly behind, with 660 home runs, is also Barry's godfather.

Ans: Willie MAYS

b) The last person Barry passed, at 586, holds the distinction of being the first black manager in the major leagues. He currently manages the Montreal Expos.

Ans: Frank ROBINSON

c) Barry's 70th home run in 2001 broke a tie with the #8 person on the list at 563 home runs. He is perhaps better known for his October feats, including his 3 home runs in Game 6 of the 1977 World Series.

Ans: Reginald "Reggie" JACKSON

17. Given battles, name the war in which they occurred, FTPE.

1) Cassel, Poitiers, Crécy

Ans: HUNDRED YEARS War

2) Marne, Ypres, Somme

Ans: World War I (accept The FIRST WORLD WAR or The GREAT WAR)

3) Lutzen, White Mountain, Nördlingen

Ans: THIRTY YEARS War

18. Answer the following questions about the most well-known hominid fossil discovery, "Lucy", FTPE.

a) Lucy was not found in Olduvai Gorge, but to the north in the Hadar region of the Rift Valley in this country.

Ans: ETHIOPIA

b) Lucy was a representative of this genus, the precursor to genus Homo.

Ans: AUSTRALOPITHECUS

c) Within 5 years, when was Lucy discovered?

Ans: 1978 (accept 1973 - 1983)

19. Name the poetic foot from syllabic stresses, FTPE.

1) stress, unstress, unstress

Ans: DACTYL

2) unstress, unstress, stress

Ans: ANAPEST

3) stress, stress

Ans: SPONDEE

20. Given an African country, name its largest neighbor by land area, F5PE.

- a) Lesotho Ans: _SOUTH AFRICA_
- b) Djibouti Ans: _ETHIOPIA_
- c) Benin Ans: _NIGER_
- d) Morocco Ans: _ALGERIA_
- e) Gambia Ans: _SENEGAL_
- f) Chad Ans: _SUDAN_

21. Answer the following questions about the recent terrorist bombing in Bali, FTPE.

a) The explosive was made out of this compound, an easily-made derivative of agricultural fertilizer also used in the Oklahoma City bombings.

Ans: _AMMONIUM NITRATE_

b) The group Jemaah Islamiyah is suspected to be behind the attacks, as well as a plot to assassinate this current Indonesian president.

Ans: _MEGAWATI_ _SUKARNOPUTRI_ (accept either)

c) The explosives were apparently paid for by this al-Qaeda leader. Name him for a final ten points.

Ans: Osama _BIN LADEN_