

8/25/03
9/15/05

Bear Cub Classic IV
Packet by David F. and Kirsten C.
(plus Delta Burke '00 + '01)
Round 1

1. He has two goats which come back to life after being eaten, so long as their bones are not disturbed. In the hall of Utgard-Loki, he nearly lifted the Midgard Serpent and lowered the sea levels with huge draughts. For 10 points--name this Norse god of thunder, who wields the hammer Mjolnir and is the namesake of Thursday.

ans: _Thor_

2. The main character keeps philandering between Marylou and Camille, who he alternately ditches in New York or San Francisco to take up with the other. That character, Dean Moriarty, accompanies Sal Paradise on several drug-addled, sex-filled cross-country trips, as described in--FTP--what seminal beat generation novel, written by Jack Kerouac?

ans: _On the Road_

3. In this situation, a company is a price maker rather than a price taker, and there are no close substitutes for the product it produces. There must be a significant barrier to enter a market for such a situation to persist, or else other companies will enter the market. For 10 points, name the economic situation in which there is only one seller in a market.

ans: _monopoly_

4. In 1976 he told an interviewer for "Playboy" magazine: "I've looked on a lot of women with lust. I've committed adultery in my heart many times." This didn't seem to stop him from mediating peace negotiations in Haiti, North and South Korea, and Bosnia, as well as helping the group Habitat for Humanity build houses for low-income families. Due to the poor economy and the Iranian hostage crisis, he failed to win election to a second presidential term, but he made up for that by winning the 2002 Nobel Peace Prize. FTP name the 39th president of the United states.

ans: Jimmy _Carter_

5. The most important open question about their distribution is the Riemann hypothesis; it's currently known that there are about x over $\log x$ of them less than the number x . Testing to see if numbers have this property was recently found to be possible with a deterministic polynomial time algorithm, and you can find them using the Sieve of Eratosthenes. For 10 points--name these 'building blocks' of the integers, which are divisible only by one and themselves.

ans: _prime_ numbers

6. Its independence was recognized in the Peace of Westphalia in 1648, when it was called the United Provinces. This was followed by a period of economic and cultural growth, as religious refugees from Portugal, Spain and France contributed to the economy and artists such as Vermeer and philosophers such as Spinoza gained prominence. It sided against England in the American Revolution, remained neutral in World War I, and was devastated by Germany in World War II. FTP name this largest member of the Benelux Economic Union, with its administrative capital at the Hague and constitutional capital at Amsterdam.

ans: the _Netherlands_

7. Surrounded by two 44 story Annexes and linked by a sky bridge, they are based on an eight point star design typical of Islamic architecture. For 10 points -- name these twin Cesar Pelli-designed buildings in Kuala Lumpur, which at 1483 feet, are the tallest in the world.

Ans: _ Petronas _ Towers

8. Two answers required. Some substances can behave as either one of these and are known as amphiprotic or amphoteric, depending on whether you use the definitions given by Lewis or by Bronsted and Lowry. For 10 points--what are these chemical opposites, whose strength is measured on the pH scale?

ans: _acid_s and _base_s

9. In its opening passage, the protagonist's mother is arrested in Boston for wounding a man in a movie theater. Minor characters include Roberta Muldoon, a male-to-female transsexual and former football player, and Jilly Sloper, a cleaning lady whose opinion of the protagonist's third novel results in its publication. FTP name this novel about a novelist whose work is overshadowed by the more compelling autobiography of his mother, Jenny Fields, the best-known novel of John Irving, which was also made into a movie starring Robin Williams.

ans: The World According to Garp

10. Among the unlikelier groups it represents are freelance writers, graphic artists, and graduate student instructors at Columbia, U/Mass Amherst, and UC Berkeley, but it mainly represents workers in manufacturing industries, such as aerospace and agriculture. Under the leadership of Walter Reuther during the post-World-War-II years, it helped define the modern labor movement by achieving improvements in employee benefits and annual wage increases. FTP name this labor union founded in Detroit in 1935, winning early recognition with sit-down strikes at General Motors and Chrysler.

ans: U_nited _A_uto _W_orkers

11. One theory says that the three Bulgarians acquitted of complicity in his shooting were sent by the KGB, which fretted over his support for Solidarity in his home country, Poland. He later urged clemency for his would-be assassin, Mehmet Ali Agca: FTP--name this Parkinson's disease-afflicted man born Karol Wojtyla, the current pope.

ans: John Paul II_ (born Karol _Wojtyla_)

12. The pillar marking its end in the East is known as "the pillar bridge of Heaven". Convicts, reprimanded civil servants, scholars who wouldn't abide by Shi Huang Ti's bookburning laws and 300,000 veterans of wars against the Huns built it, partly expanding preexisting fortifications. FTP name this 1600-mile edifice that protected China's northern border.

ans: the _Great Wall_ of China

13. Her second play, "The Sign in Sidney Brustein's Window", met with limited success and closed the night she died at age 34. Her autobiography, "To Be Young, Gifted, and Black" was published 5 years after her death. Her most successful work was her first play, which told the story of the Younger family and their attempt to move into an all-white neighborhood, and whose title is taken from Langston Hughes' poem "A Dream Deferred". FTP name this playwright who wrote "A Raisin in the Sun".

ans: Lorraine _Hansberry_

14. His six unaccompanied cello suites were initially thought of as no more than exercises, but were since recognized as works of art and have been recorded by Casals, Rostropovich, and Yo-Yo Mans: Other works of his with a pedagogical slant include the Two-Part and Three-Part Inventions, intended for teaching clean playing of polyphony as well as composition, and "The Well-Tempered Clavier", written to demonstrate the possibilities of a new method of piano tuning. FTP name this German composer born in 1685, who composed the St. John and St. Matthew Passions while making a living as a church cantor.

ans: _J_ohann _S_ebastian _Bach_

15. Take the un conjugated root form of an English verb and add one or more adverbs in between the preposition "to" and the verb itself. You now have one of these, a grammatical construct which until the 19th century was considered to be incorrect in English because it could not be constructed at all in Latin. FTP, name this construct, the most famous example of which is "to boldly go where no man has gone before".

ans: _split infinitive_

16. The common characteristic shared by all its members is a set of teeth that is specialized for gnawing: particularly, a single set of upper and lower incisors that continue growing throughout the animal's life. It includes over 40% of mammalian species, of which the largest is the 70-kilogram capybarans: FTP name this largest mammalian order, consisting of 2000 living species in 30 families, and including pests and pets such as gerbils, guinea pigs, mice, and rats.

ans: _rodentia_ or _rodents_

17. Estrada Palma became its first President in 1902, but only four years later, Jose Gomez led a revolt and the U.S. reoccupied it. Another famous coup came with the 1933 overthrow of Gerardo Machado by Fulgencio Batista, who was himself overthrown in 1959. For 10 points--which Caribbean nation has been ruled since 1959 by a communist regime led by Fidel Castro?

ans: _Cuba_

18. It was originally named "Oak" and was intended as a language in which to program embedded systems such as set-top boxes, until the rise of the World Wide Web gave it a different purpose. Its progenitors included such superstar

programmers as Bill Joy, one of the developers of Berkeley Unix, and Guy Steele, who also co-developed the languages Scheme and Common Lisp. FTP name this programming language developed at Sun Microsystems that supports concurrent and object-oriented programming and is named after the largest Indonesian island as well as a slang term for coffee.

ans: _Java_

19. It was named by the English explorer Bartholomew Gosnold in 1602, after the fish found in the surrounding waters. Until the late 19th century, whaling and shipping were important in its economy, but nowadays its mainstays are cranberry growing and tourism. It is generally flat, with many sand dunes, lakes, and beaches, including a national seashore, and is home to the Woods Hole Oceanographic Institution. Provincetown, the site of the Pilgrims' first landing and now a gay and lesbian mecca, is located at its northernmost tip. FTP name this 400-square-mile peninsula in southeastern Massachusetts.

ans: _Cape Cod_

20. Its predecessor, "The Academia Waltz", appeared in the UT Austin student newspaper during the late 1970s, and it began syndication in 1981. Characters included Oliver Wendell Jones, a hacker and scientist who invented a long-tailed hamster, and Michael J. Binkley, whose closet of anxieties featured a giant spotted snorklewacker. Its commentary on Reagan-era politics won its creator, Berke Breathed, the 1987 Pulitzer Prize for editorial cartooning -- only the second one awarded for a comic strip. FTP name this comic strip set in and around Milo's Meadow that featured Bill the Cat and Opus the Penguin.

ans: _Bloom County_

21. This word has at least two distinct meanings. The older meaning refers to a set of two or more grammatical categories in which words are fancifully placed; these categories do not exist in English, but do exist in languages such as Spanish, French, and Russian. The more recent meaning refers to the sets of socially constructed characteristics that people of different sexes acquire through socialization. FTP name this word that is often but incorrectly used interchangeably with "sex"; yours might be male, female, both, or neither.

ans: _gender_

22. He was defeated twice in combat--first by a talking hound named Huan, and then by the leaders of the Last Alliance, Gil-Galad and Elendil. The latter's son Isildur cut off one of his fingers, but didn't unmake the ring it bore. For 10 points--name this title character of *the Lord of the Rings*.

ans: _Sauron_

BONUSES

1. 30-20-10 Name the painter.

30. His landscapes include his early masterpiece "The Ravine" and the late "Wheatfield with Cypresses"

20. His early, darker paintings often depict peasants, as in "The Potato Eaters".

10. His late works are full of brilliant color, as in his series of paintings of irises, sunflowers, and starry nights.

ans: Vincent _van Gogh_

2. Name the type of tree, FTPE.

These deciduous trees can live for 200 or more years, but the lives of many in Northern California are being cut short by a sudden death syndrome. Their scientific name is Quercus, and varieties include black, chestnut, and pin.

ans: _oak_ trees

These trees, scientific name Aceraceae, thrive in temperate and mountainous regions. Their products are used for making candy and furniture, and their brightly colored leaves draw tourists to New England in the fall.

ans: _maple_ trees

Among trees found in the US, this name refers to members of five genera in the family Betulaceae; the sixth is found only in Mongolians: Its paper-like bark can be used for crafts and its sap is made into beer; Robert Frost wrote a poem about swinging from them.

ans: _birch_ trees

3. Name the figures in American folklore FTPE.

This legendary black American tried to outwork a steam drill with only a hammer, steel bit, and his own strength. His story originated among West Virginian miners and may be based in fact, and is retold in a recent novel by Colson Whitehead.

ans: John _Henry_

His Southern counterpart is Tony Beaver, but he is much better known, a giant Western lumberjack whose prized possession was Babe the Blue Ox.

ans: Paul _Bunyan_

This keelboatman was a real person who fought against Native Americans in Ohio and accompanied the Ashley expedition up the Missouri, but stories about his heroism in expanding American borders are greatly exaggerated.

ans: Mike _Fink_

4. Name the things about the European Union FTPE.

The history of the European Union began after World War II, when this U.S. aid project, developed by a U.S. secretary of state and authorized by President Truman, strengthened the European economy, resulting in visions of a united Europe.

ans: the _Marshall_ plan or the _European Recovery Program_

This organization, the predecessor to the European Union, was formed by the Treaty of Rome in 1958. In 1963, France vetoed Britain's application to join it.

ans: the _E_uropean _E_conomic _C_ommunity or the _Common Market_

In 1993, the treaty that created the European Union was ratified in this Dutch city.

ans: _Maastricht_

5. Given a title and a description of a work, name its female African American author.

I Know Why the Caged Bird Sings

Ans: Maya Angelou

The Bluest Eye

Ans: Toni Morrison

The Temple of My Familiar

Ans: Alice Walker

6. Name the music artist FTPE.

From when she came out as a lesbian after the release of her 1993 album "Yes I Am" to her breakup with Julie Cypher, her sexuality has been public, and many of her songs, such as the hit "Come To My Window", and "Scarecrow" (about the murder of Matthew Shepard), have dealt with queer issues.

ans: Melissa _Etheridge_

Her 1998 solo debut album, documenting her "miseducation", won five Grammys, including best album and best new artist; a former member of the Fugees, she recently released an acoustic album.

ans: Lauryn _Hill_

This native of Buffalo, New York has released 15 full albums on her Righteous Babe label, ranging from the girl-

with-guitar folk of "Not So Soft" to the more rock-n-roll sounds of "Not a Pretty Girl" and "Dilate" and the funk-inflected tunes of "To the Teeth".

ans: Ani _DiFranco_

7. Name the astronomy things FTPE.

This type of explosion occurs when a very massive star runs out of fuel for the fusion process and can no longer counteract the inward gravitational pull of its mass. Gravitational collapse then propels the remnants of the star into space.

ans: _supernova_ (do not accept nova)

A low or medium mass star becomes one of these at the end of its life. The star loses mass while the core remains intact; eventually the core is exposed to the outside universe and surrounded by gas. This, together with the gas, is known as a planetary nebulans:

ans: _white dwarf_

Clusters of galaxies are made up of visible stars and hot gas, but mostly of this kind of invisible stuff. The exact amount of it that exists, as well as its effects on the universe, are unknown.

ans: _dark matter_

8. Name the things about the Great Depression FTPE.

This man was elected president in 1928, just before the start of the Great Depression.

ans: Herbert _Hoover_

This term referred to the various programs introduced by Franklin Roosevelt: initially such organizations as the National Recovery Administration and Tennessee Valley Authority, later such social welfare initiatives as the Social Security program and the Works Progress Administration.

ans: _New Deal_

In 1938, the Fair Labor Standards Act established this at the federal level for the first time, setting it at 25 cents an hour. Since then, it has risen to \$5.15 an hour.

ans: _minimum wage_

9. Answer the questions about the anthropological study of family structures, FTPE.

This term refers to a collection of tangible, valuable items transferred from the bride's family group to the groom's family group upon marriage.

ans: _dowry_

This adjective describes a society in which kinship is traced through female ancestors: if you live in such a society, your important relatives are your mother, your mother's mother, and your mother's sisters, but not your father's parents or siblings.

ans: _matrilineal_

This term describes the marriage of a female to two or more males.

ans: _polyandry_

10. Name these authors who have recently written childrens books FTPE.

A. He's best known as the horror and fantasy writer of Books of Blood and Imajica, but his Abarat Quartet, whose story he composed to accompany hundreds of paintings he has made, is aimed at children.

ans: Clive _Barker_

B. The City of the Beasts is a recent young adult novel by this Chilean author of House of the Spirits, who is the niece of an assassinated president of Chile.

ans: Isabel _Allende_

C. Native American religion and baseball are fused in Summerland, a children's book by this author of Wonder Boys and The Amazing Adventures of Kavalier and Clay.

ans: Michael _Chabon_

11. Differentiate these functions for 10 points each.

A. $f(x)=6$

ans: 0

B. $f(x)=e^{(x^2)}$ (e to the quantity x squared)

ans: $2xe^{(x^2)}$

C. $f(x)=\tan(x)$

ans: $\sec^2(x)$ (secant of x squared or secant squared of x)

12. Name the rivers in Northern California, FTPE.

Though it begins in the Cascade Range in southern Oregon, it is California's second largest river. It shares its name with a national forest located in Yreka, and is a popular destination for salmon fishing.

ans: Klamath River

This river flows through Sonoma County, not eastern Europe, and nearby attractions include wine growers and gay and lesbian resorts.

ans: Russian River

California's longest river, it flows past Redding and shares its name with the most important city in the Central Valley.

ans: Sacramento River

13. Name these ancient wars for 10 points each.

A. Carthage attacked the Roman army sent to keep it from fighting Masinissa's Numidia, and Scipio Aemilianus razed Carthage and sold its population into slavery.

ans: Third Punic War

B. After the assassination of Drusus in 91 BC, Italian cities allied to fight Rome until pacified by citizenship.

ans: Social War

C. This late 5th century BC war ended with the 404 BC capitulation of Athens, worn down by Lysander's siege.

ans: Peloponnesian War

14. Answer the following about oscillators, FTP each.

A. A spring is connected to a mass. What law states that the force exerted by the spring on the mass is given by $F = -kx$, where k is the spring constant?

Ans: Hooke's Law

B. This three-word term refers to the type of movement of a mass coupled to an ideal, massless spring which obeys Hooke's Law. It is commonly called SHM.

Ans: Simple Harmonic Motion

C. The angular frequency of the mass in SHM can be determined by solving Hooke's Law via differential equations. In terms of m and k , what is the angular frequency?

Ans: the square root of (k/m) or (k/m) to the 2 power or equivalent

15. Name the occupation of each Shakespearean character for 10 points each:

A. Macduff in *Macbeth*

ans: Thane of Fife

B. Malvolio in *Twelfth Night*

ans: steward

C. Launcelot Gobbo in *Merchant of Venice*

ans: clown or fool

16. He succeeded Hubert Humphrey in the Senate, where he served until 1977. For 10 points each--

A. Name this vice-president and presidential candidate.

ans: Walter Frederick "Fritz" Mondale

B. What state did Humphrey and Mondale represent?

ans: Minnesota

C. Which woman was Mondale's running mate in his failed 1984 campaign?

ans: Geraldine Ferraro

17. Identify these Hindu gods, FTSNOP.

A. [20] For 5 points each and a bonus of 5 for all correct, name the three gods of the trimurti in any order; one is the creator, one the preserver, and one the destroyer.

Ans: Brahma, Vishnu, and Shiva

B. [10] In the ancient Vedic religion, he was chief of the gods, armed with lightning bolts. He was reduced to the

rain god in later Hinduism, and he was also the father of Arjuna.

Ans: Indra

18. Name the musical instruments, all of which are found in a standard symphony orchestra, FTPE.

Most modern versions of this brass instrument are referred to as "double", because they have a trigger valve that changes its key from F to B flat. It is often mistakenly referred to as "French".

ans: horn

This is a popular woodwind instrument with a cylindrical bore and a single reed. The standard orchestral ones are in either A or B flat, and it is also a jazz instrument, as played by Woody Allen (among others).

ans: clarinet

This stringed instrument is similar to the violin, but is larger, with a deeper tone. It is usually used as an accompanying instrument, as in string quartets, but has recently begun to take off as a solo instrument.

ans: viola

19. Name the poem from lines, FTPE, or 5 points if you need the author.

10: "Unpin that spangled breastplate which you wear, That th' eyes of busy fools may be stopped there.

Unlace yourself, for that harmonious chime Tells me from you that now it is bed time."

5: John Donne

ans: To His Mistress Going to Bed or Elegy XIX

10: "A belt of straw and ivy buds, With coral clasps and amber studs:

And if these pleasures may thee move, Come live with me, and be my love."

5: Christopher Marlowe

ans: The Passionate Shepherd To His Love

10: "Thy neck is like the tower of David builded for an armoury, whereon there hang a thousand bucklers, all shields of mighty men.

Thy two breasts are like two young roes that are twins, which feed among the lilies."

5: Solomon

ans: the Song of Solomon or Song of Songs

20. Name these Presidents who served in the civil war FTPE.

A. This Williams College grad resigned in 1863 as Major General to serve as a congressman from Ohio. He was earlier a teacher of ancient languages and the principal at the Hiram Institute, and found an original proof of the pythagorean theorem. He was not a Stalwart.

ans: James Abram Garfield

B. Also a major general of volunteers who resigned to serve in congress, this Republican vetoed the Bland Allison Act as Garfield's predecessor.

ans: Rutherford Birchard Hayes

C. He was quartermaster general of New York State in the Civil War and Grant's appointee as collector of the port of New York. He was all about the spoils system then, but as president, supported the Pendleton Act that reformed civil service.

ans: Chester Alan Arthur

21. Name the following about Iberian music FTPE.

A. Its name means "fate", and it is often compared to American blues music, and both came from the descendants of slaves. Amalia Rodrigues was the greatest performer of this style, which was once mainly performed on Lisbon streets for the working class.

ans: fado

B. This Andalusian music and dance style is characteristically accompanied by foot stamping, hand clapping, and guitar playing.

ans: flamenco

C. With which ethnic group did flamenco music originate?

ans: gypsy or gitano