

9/25/03
9/15/05

**Bear Cub Classic IV
Packet from Delta Burke '00 + '01
Round 9**

TOSSUPS

1. Two strands of DNA are separated and short sequences of another single strand of DNA are added, along with free nucleotides and a certain enzyme. Then, in a series of heating and cooling cycles, the DNA sequence doubles with each cycle, thus rapidly amplifying it. This process co-won the 1993 Nobel Prize in Chemistry for developer Kary Mullis. FTP, name this alternative to gene cloning used to replicate DNA rapidly.

Ans: polymerase chain reaction (acc. PCR)

2. His otherwise successful presidency was tested by the Senate's dismissal of the Wilmot Proviso, which helped crystallize the north-south antagonism which led to the Civil War. Though Whigs jeered his nomination by asking whom he was, he had served as Speaker of the House from 1835 to 1839, where he was loyal to Andrew Jackson, who later helped him become Governor of Tennessee. FTP name this first "dark horse" candidate to become president, our eleventh chief executive succeeding John Tyler.

Ans: James K. Polk

3. Though most of the Aesir avoided aging by eating the apples of Idun, this god chose to do so the fun way by stabbing himself with his own spear and hanging from Yggdrasil for nine days. He stole the Mead of Poetry from the giant Suttung and was master of Geri and Freki, two wolves, and Hugin and Munin, two ravens. FTP what one-eyed god has a spear named Gungnir and an eight-legged steed named Slepnir, the chief god of the Norse?

Ans: Odin or Wotan

4. For ten points, in how many ways can a committee of three be formed from a group of seven people?

Ans: 35 (7!/4!3!)

5. A veteran of Arizona's Lincoln County War, legend has it he was shot in a darkened room after asking, "Quienes?" After the murder of his mentor, John Tunstall, he vowed revenge, killing at least 11 men, including Buckshot Roberts. Born Henry McCarty, FTP who is this famous outlaw who was shot by Sheriff Pat Garrett?

Ans: Billy the Kid (acc. William Bonney)

6. His most recent literary output, though he began it in the early 1960s, is his first novel, *The Rum Diary*. Had he been elected mayor of Aspen, Colorado, he would've torn up the asphalt and replaced it with grass, renamed the town "Fat City," and set up a stocks in which to lock up drug dealers who charged too much; he lost by less than a hundred votes. FTP name this Gonzo journalist, author of three books beginning with the words "Fear and Loathing."

Ans: Hunter S. Thompson

7. The most well known depiction of one has the face of Khafre. First mentioned in Greek literature by Hesiod, he describes them as male and having wings, like earlier Asian versions. The most well known one was sent by Hera to Thebes, but then started bugging people with a riddle. FTP what is this lion-bodied creature, whose best-known depictions guards the Pyramids at Giza?

Ans: sphinx

8. When polarization experiments indicated that light consisted of transverse waves, which can only be transmitted through a solid or a liquid surface, the concept of this substance had to be revised. It had to be a rarefied gas, but it also had to be more rigid than steel to explain the up and down movement it would make to transmit light. This theoretical substance thought to carry light, the existence of which was denied by the Michelson-Morley experiment. FTP, what substance shares its name with an organic group that has an oxygen atom bonded between two hydrocarbon groups as well as a common sleeping agent?

Ans: ether

9. Jack Burton is an obnoxious and swaggering trucker who is owed money by his friend Wang. To collect, he accompanies Wang to the airport to meet his fiancée, a green-eyed Chinese immigrant. Unfortunately, she is kidnapped by the lackeys of Lo Fan, who needs her blood to make himself flesh. This is a brief description, FTP, of

the beginning of what fun-filled film featuring Kurt Russell fighting numerous enemies in Chinatown?

Ans: Big Trouble in Little China

10. Napoleon landed at Cannes on March 1, 1815, while the great powers were meeting at the Congress of Vienna. He won acclaim on his march north through France, and the Grand Alliance quickly reconstituted to battle him. By June he had raised enough troops to rout the Prussians at Ligny, but he was thoroughly defeated two days later at Waterloo. FTP what numerical name designates this roughly three-month return of Napoleon from exile?

Ans: Hundred Days

11. This land's main castle is Cair Paravel, which stands at the delta where the Great River meets The Eastern Sea. The Lone Islands, which High King Peter sailed to in the ship The Dawn Treader, can be seen from the castle. Created by the beautiful singing of Aslan, FTP, what is this mythical world created by C. S. Lewis?

Ans: Narnia

12. Shale, chalk, and limestone are examples. Composed of geologically reworked materials, they make up only five percent of the uppermost ten miles of the Earth's crust, but they compose nearly 75% of the Earth's exposed surface. Created by the deposition of materials in a typically linear pattern FTP what is this type of rock that is neither igneous or metamorphic?

Ans: Sedimentary rock

13. At the bottom center of the painting stands a small terrier, and at the lower left is a pair of sandals. A red-draped bed dominates the right of the image, and a modest chandelier hangs in the center above a mirror, in which the artist is reflected with the backs of the two main figures. The man wears a large black hat, and the woman's green dress puffs at the midriff. FTP this describes what classic of Jan van Eyck that depicts a sacred Italian ceremony?

Ans: The Arnolfini Marriage (acc. "Arnolfini Wedding and equivalents")

14. It was provoked by an open letter in the newspaper by eight clergymen, and the author began writing it in the margins of his copy of that newspaper. The clergymen accused the author of "untimely and unwise" actions, and of interfering as an outsider in their city's 1963 civil rights struggle, as he was from Atlanta. In his letter, the author avers that the fight against racial injustice has no boundaries. FTP name this influential letter written by Martin Luther King, Jr., during a brief incarceration.

Ans: Letter from (a) Birmingham Jail

15. It is harvested by a jimador (hee-ma-dor), who hacks back the serrated leaves of the plant from which it is distilled to reveal a core, called a pina, which is a little bigger than a human head. A good jimador can only cut 90 pinas a day, and since the plant itself takes 8-12 years to mature, a shortage is expected to begin soon. This is because of the trendiness, FTP, of what powerful spirit culled from the agave plants grown only in Mexico?

Ans: tequila (acc. agave until said in question)

16. Acquired by Henry VIII from the monks of Westminster Abby, it covers 630 acres and has a perimeter of four miles. The marble arch and Queen Mother's gate offer entrance from the east, while Kensington Palace sits at its west end. Rotten Row is a popular horse path, and Serpentine Lake offers boating. FTP Speaker's Corner is the best known spot in what huge park inside London?

Ans: Hyde Park

17. Its commander was the Duke of Medina-Sidonia, and it had been launched partly because of Phillip II's outrage over the execution of Mary, Queen of Scots. Not all members of its crew spoke the same language, and its captains seemed ill at ease in the confined quarters of the English Channel, both crucial factors in its eventual destruction of the coast of Gravelines. FTP what famous fleet was destroyed by the English in 1588?

Ans: Spanish Armada

18. They were first established in 1919 under the Cheka (chay-kuh) but weren't very populated until the 1930 when they were run by the NKVD. Inhabitants built the Baltic-White Sea Canal, the Baikal-Amur railroad, and many other projects. Their name comes from an acronym of the Russian words for Main Directorate for Corrective Labor Camps. FTP what were these camps written about by Alexander Solzhenitsyn, among others?

Ans: Gulag

19. It killed 3/5 of the men on Vasco de Gama's 1497 voyage, and a cure was not found for 250 years. James Lind observed that it was most common aboard ships, in prisons, and in besieged towns, where diet was limited and monotonous. FTP, name this medical condition cured by Lind's introduction of citrus fruits into the diet, a condition caused by vitamin C deficiency.

Ans: scurvy

20. Students reading this short story sometimes suggest the northern builder Homer Barron is gay, as it is said "he liked men," though this is unlikely to be the reason he breaks off his relationship with the title character. Still, the title character takes badly to the break-up, apparently poisoning Homer with arsenic and sleeping next to his dead body for many years. This describes, FTP, the creepy action of what famous Faulkner short story about a town spinster?

Ans: "A Rose for Emily"

21. In Hindu mythology Brahma rides on Hamsa, one of these creatures. In a Grimm's fairy tale, eleven brothers are turned into them before their younger sister breaks the spell. The male of the species was associated with Apollo in ancient Greece. FTP what are these birds into one of which Zeus transformed himself to take the mortal woman Leda?

Ans: swan

22. The 2000 honoree was *Bud, Not Buddy*, by Christopher Paul Curtis, and the 2001 winner is *A Year Down Yonder* by Richard Peck. The first award was given in 1922 to *The Story of Mankind*, by Hendrik van Loon. Other notable winners include *A Wrinkle in Time* and *Johnny Tremain*. FTP name this annual award given to "the most distinguished contribution to American literature for children."

Ans: Newbery Medal

BONUSES

1. Identify these genetic terms from definitions FTPE.

This term refers to the observable characteristics of an organism, like blue eyes or brown hair.

Ans: phenotype

This term designates an organism's combination of alleles or general genetic composition.

Ans: genotype

This is the number and structure of the chromosomes in the nucleus of a cell.

Ans: karyotype

2. 30-20-10 Name the actor.

(30) Born in England, he did most of his work in the U.S. and made his last film in 1952, after which he exiled himself to Switzerland. He was knighted by Elizabeth II in 1975 and died in 1977.

(20) *Monsieur Verdoux* and *Limelight* were among his last films. He co-founded United Artists with D.W. Griffith and others in 1919.

(10) He was the box office's biggest star in the early 1920s with *The Kid*, *The Gold Rush* and other movies featuring his most famous silent character.

Ans: Charlie Chaplin

3. Show how much you remember from reading George Orwell's *1984* by answering the following FTPE.

Winston Smith, the protagonist, lives in Oceania, whose citizens are encouraged to hate what other major state with which Oceania is at war?

Ans: Eurasia

What language is spoken in Oceania?

Ans: Newspeak

What is the name of Smith's boss who eventually betrays Smith?

Ans: O'Brien

4. Identify these geographical locations important in the Christian Bible FTPE.

Jeremiah called this the "valley of slaughter. Associated with hell, it was the place where child sacrifices to Moloch were offered.

Ans: Gehenna

The risen Christ appeared to two peasants to have supper in this small town south of Jerusalem.

Ans: Emmaus

Meaning "the place of the skull," it designates the place where Christ was crucified.

Ans: Golgotha

5. Answer the following about some of the simplest life forms, FTPE.

Including chlorophytes and chrysophytes, these are very simple, photosynthetic plants that are nearly all unicellular.

Ans: algae

These eukaryotic organisms lack chlorophyll. They include mushrooms, molds and yeasts.

Ans: fungi

These symbiotic organisms, composed of a fungus and an alga, are a tasty treat for reindeer, usually growing on tree trunks or other surfaces.

Ans: lichens

6. Name these signers of The Declaration of Independence FTPE.

This Connecticut representative saved the Constitutional Convention by proposing a bicameral legislature to reconcile small states and large states.

Ans: Roger Sherman

This man's famous horse ride back to Philadelphia to break his delegation's tie and make Delaware the first state to declare independence is featured on that state's new quarter.

Ans: Caesar Rodney

Though he didn't get his wish of being the Commander-in-Chief of the Continental Army, at least this Massachusetts native got to be the first person to sign the Declaration.

Ans: John Hancock

7. Complete the titles of the following Hemingway short stories FTPE.

The Snows of

ANS: Kilimanjaro

The Short Happy Life of

ANS: Francis Macomber

A Clean,

ANS: Well-Lighted Place

8. Answer the following about an early 17th century incident in England FTPE.

What name is given to the conspiracy of a number of prominent British Catholics to blow up the House of Lords on the opening day of parliament in 1605?

ANS: Gunpowder Plot

What monarch was targeted by the Gunpowder Plot because of what the conspirators saw as his anti-Catholic positions?

ANS: James I

What soldier of fortune was first arrested coming out from the cellar beneath the House of Lords on November 5, a day still celebrated in England by burning his effigy?

ANS: Guy Fawkes

9. Show your command of Shakespeare trivia by answering the following FTPE.

This play has the smallest percentage of verse, 12%, perhaps because of all the buffoonish dialogue between the protagonist and the title women.

ANS: The Merry Wives of Windsor

Hamlet speaks the most lines of any character, with 1,507, but this scheming monarch is second with 1,145.

ANS: Richard III

What dominant character of *As You Like It* speaks the most lines of any Shakespearean female with 721?

ANS: Rosalind

10. In this bonus you'll be read a list of movies and, FTP, name the actress common to all three.

Sliding Doors; Seven; The Talented Mr. Ripley

ANS: Gwyneth Paltrow

Tootsie; The Accidental Tourist; Earth Girls Are Easy

ANS: Geena Davis

Man on the Moon; The People vs. Larry Flynt; Basquiat

ANS: Courtney Love

11. 30-20-10 Name the novel from characters in it.

30) Ellen Dean; Mr. Lockwood

20) Edgar Linton

10) Catherine Earnshaw; Linton Heathcliff

ANS: Wuthering Heights

12. 30-20-10 Name the philosopher from works.

30) *Repetitions*; *Concluding Unscientific Postscript*

20) *Sickness unto Death*

10) *Either/Or*; *Fear and Trembling*

ANS: Soren Kierkegaard

13. Answer the following about tides, FTPE.

This type of tide produces the largest daily difference between high and low tide, resulting from the period when the sun and moon combine their effects.

ANS: spring tide

During the first and third quarters of the moon, the sun and moon are at right angles and offset each other, leading to this smallest tidal range.

ANS: neap tide

This bay records the highest tides on Earth.

ANS: Bay of Fundy

14. Answer the following about the origins of the Trojan War FTSNOP.

(10) What minor goddess, not invited to the wedding of Peleus and Thetis, rolled out the golden apple that Hera, Athena, and Aphrodite fought over?

ANS: Eris (acc. Discord)

(15) What was written on the apple?

ANS: "For the fairest" (acc. "pulcherrimae" from those who had Latin in h.s.)

(5) What Trojan got into trouble by selecting the most beautiful mortal as his prize for awarding the apple to Aphrodite?

ANS: Paris

15. Given the first line of a well known American poem, name its author for ten points; if you need the name of the poem, you'll get five.

10 pts. "The land was ours before we were the land's."

5 pts. "The Gift Outright"

ANS: Robert Frost

10 pts. "This is the forest primeval."

5 pts. "Evangeline"

ANS: Henry Wadsworth Longfellow

10 pts. "Call the roller of big cigars"

5 pts. "The Emperor of Ice-Cream"

ANS: Wallace Stevens

16. In 1998, President Clinton signed the American Heritage Rivers Bill into law. Identify these rivers that made the list from descriptions FTPE.

This 310-mile, north-flowing river drains about one-sixth of Florida:

ANS: St. Johns

This river begins at Lake of the Clouds and flows 315 miles southeast through New York to the Verrazano Narrows.

ANS: Hudson

This river flows north through Oregon from the Cascade Mountains to the Coast Range where it joins the Columbia River.

ANS: Willamette

17. Answer the following concerning Mao Tse Tung FTPE.

What name is given to the great trek Mao led in 1934 and 35 in which he led 90,000 of his troops and their families from Jianxing to Ghiazou province?

ANS: Long March

Begun in 1966, what movement tried to eliminate all bourgeois elements from Chinese culture, leading to the deaths and imprisonment of many intellectuals and other enemies of Mao?

ANS: Cultural Revolution

This name was given to the group whom the communists later blamed for the excesses of the Cultural Revolution, including Mao's wife, Jian Qing.

ANS: Gang of Four

18. Given a description, name the dramatic form or school of drama FTPE.

These Japanese plays differ from Kabuki in that they deal with historical themes and often have Buddhist overtones.

ANS: Noh

These medieval dramas were based on the Bible and grew out of dramatically expanded presentations of the events of Christ's life.

ANS: mystery plays

Major figures of this 20th century school include Eugene Ionesco, Jean Genet, and Tom Stoppard, and its works emphasize the arbitrariness and meaninglessness of existence.

ANS: Theater of the Absurd

19. Identify the following pioneers in the study of electricity FTPE.

This Frenchman measured the attraction and repulsion between electric charges, finding they obey an inverse square law.

ANS: Charles Coulomb

This American demonstrated Faraday's Law and was the first director of the Smithsonian.

ANS: Joseph Henry

This other Frenchman explained how an electric current produces a magnetic field and was rewarded by having the unit for current named for him.

ANS: Andre-Marie Ampere

20. Answer the following about the Tripolitan War, FTPE.

What general name designates the muslim pirate states of northern Africa which were harassing Western shipping?

ANS: Barbary pirates

What president sent warships to fight the Barbary pirates?

ANS: Thomas Jefferson

What future hero of the War of 1812 led the daring burning of the captured ship Philadelphia in 1804?

ANS: Stephen Decatur