

MIT's Beaver Bonspiel 5 - Oct. 24, 1998

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TOSSUPS

TOSSUP 1

This device was the first major breakthrough in the study and creation of temporal anomalies. Invented by Dr. Brown of Hill Valley, California, it required a combination of energy and velocity to function, needing 1.21 gigawatts of energy supplied by plutonium fission or a bolt of lightning, and a speed of 88 miles per hour, furnished by a 1984 DeLorean. FTP name this central component of the time machine featured in the film, "Back To the Future."

ANSWER: \_FLUX CAPACITOR\_  
(prompt on DeLorean before mention of it)

TOSSUP 2

This physicist and Berkeley professor is probably best known for his several books of popular science, in which he applied systems theory to life, emphasizing the interconnections between all things. FTP, name this author of the international bestseller The Tao (DOW) of Physics\_, as well as The Turning Point\_, which was made into the film Mindwalk\_, starring Liv Ullmann.

ANSWER: Fritjof \_CAPRA\_

TOSSUP 3

This man became Army Chief of Staff after the overthrow of the Machado government in 1933. He used his power to control the presidency, and was himself president from 1940 to 1944 and from 1952 to 1959. A brutal dictator, he nonetheless was supported by the United States, due to his anti-Communist policies. FTP, name this Cuban dictator, deposed by Fidel Castro in 1959.

ANSWER: Fulgencio \_BATISTA\_ y Zaldivar

TOSSUP 4

Conceived as a means of complying with new FCC guidelines that require broadcasters to air a minimum of three hours per week of educational children's programming, this show takes a look at world history through comedy, song, interviews, and re-enactment. Characters include Father Time, The Big New Year's Baby, Lydia Karaoke, and Miss Information. FTP, name this new animated series on Kids-WB, conceived by Tom Ruegger (ROO-ger).

ANSWER: \_HISTERIA\_

TOSSUP 5

He died in 1973 of a severe cerebral edema (EH-de-muh). Although he was born in San Francisco, most people associate him with a place half a world away, where, in 1958, he was named "Crown Colony Cha-Cha Champion". Before his movie career took off, he taught self-defense to the likes of Steve McQueen and Roman Polanski. FTP, name this star of martial arts movies "The Big Boss" and "Enter the Dragon".

ANSWER: Bruce \_LEE\_

TOSSUP 6

Drawing on the Jungian theory that human behavior is not random, but follows mental structural patterns, it\_ was developed in the 40's and 50's through the administration of thousands of tests. Based on one's inborn orientation, perception and judging patterns, it classifies people into sixteen different categories. FTP, name this most widely-used personality inventory, named for a mother-daughter psychology team.

ANSWER: \_MYERS-BRIGGS\_ Type Indicators

TOSSUP 7

Ironically, his rookie year was in 1969 as a Dodger, and he finished his career in Boston in 1990. In between, he played for the Cubs, Royals and Angels, as a designated hitter, outfielder and of course, first baseman. His lifetime .289 average, with two thousand, seven hundred, fifteen hits, was good enough to earn him a job as a batting coach in the Blue Jays' farm system. FTP, name this current White Sox batting coach, remembered today mostly for an error in game 6 of the 1986 World Series.

ANSWER: William Joseph "Bill" \_BUCKNER\_

TOSSUP 8

The simplest example, "minimal SU Five," was rejected, because its prediction of proton lifespan was much less than experimental value. Another one posits that there are two Higgs bosons, one of them a compound particle, made of some new matter; a more popular version involves the idea of supersymmetry between bosons and fermions. FTP, give the term for a theory that tries to go beyond the Standard Model, to unify different interactions into one structure.

ANSWER: \_GRAND UNIFIED THEORY\_ or \_GUT\_  
(Grand Unified Field Theory\_)

TOSSUP 9

The script to this film, Orson Welles' last American movie, was based upon a similarly titled pulp novel by Whit Masterson. Predating Hitchcock's "Psycho" by a few years, similarities between the two include Janet Leigh in a creepy motel. Universal Pictures originally edited the film without Welles' consent, but this summer, the film was re-edited in accordance with directions left in a director's memo. FTP name this 1958 Charlton Heston vehicle about a sleepy border town.

ANSWER: \_TOUCH OF EVIL\_

(Note: Masterson's novel was "Badge of Evil")

TOSSUP 10

Along with Dusty and Dove, he is an apprentice to Mr. Lapham, the silversmith. He loses the use of his right hand in a shop accident, and after a period of despair, becomes a dispatch rider and spy for Paul Revere. Eventually, he learns the meaning of why a revolution is starting, so that "a man can stand up." FTP, name this title character

in a work by Esther Forbes, winner of the 1944 Newberry Medal.

ANSWER: the Isle of MAN

ANSWER: JOHNNY TREMAIN

TOSSUP 16

TOSSUP 11

The opera which contains these famous choral dances was completed by Rimsky-Korsakov and Glazunov, after its composer left it unfinished upon his death. It was included on the program for the first season of the Ballet Russes (ROOSE) in 1909. Taking place when the captive price is entertained by Khan Konchak, FTP, what is this dance suite drawn from the Aleksandr Borodin opera "Prince Igor"?

Its publication was first proposed to the Philological Society in 1857, in a speech decrying the decline of English. Its first editor-in-chief was James Murray, whose headquarters was the famous Scriptorium. The work of hunting down quotations and meanings was completed by hundreds, including W.C. Minor, a convicted murderer, who did his work in an insane asylum. FTP, name this lexicographical (Lex-i-Co-GRAPH-i-Cal) masterpiece, published in ten installments ending in 1928, and long associated with a British university.

ANSWER: POLOVTSIAN DANCES

ANSWER: the OXFORD ENGLISH DICTIONARY  
(accept: NEW ENGLISH DICTIONARY)

TOSSUP 12

Nicolai Grundtvig, a 19th century Danish scholar, was the first person to produce a contemporary translation of this work from its original manuscript, "Cotton Vitellius A Fifteen". John Gardner retold the legend behind this poem from a fresh perspective in a 1971 book. FTP, what is this seminal work of English literature, the subject of an influential 1936 JRR Tolkien lecture entitled "The Monsters and the Critics"?

TOSSUP 17

The son of an avowed atheist and a Quaker, he spent much of his life in the Benedictine Trappist monastery of Gethsemani, in Kentucky. It was there that he began writing his revolutionary works, which attempted to answer questions of faith by assimilating Catholic and Eastern theologies into a modern understanding of God. FTP, name the author of "No Man is an Island", and his bestselling autobiography, "The Seven Storey Mountain", who died of electrocution in a Bangkok hotel room in 1968.

ANSWER: BEOWULF

ANSWER: Thomas MERTON

TOSSUP 13

Decades after his death, rumors spread that Jean de Hemptinne, the reactionary Archbishop of Elizabethville, was one of his many illegitimate children by prostitute Caroline Delacroix. Acclaimed king in 1865, he won a reputation as a great humanitarian by his efforts to send missions to Africa, especially after his famous 1876 conference of geographers in Brussels. FTP, name this Belgian king, who sent Henry Stanley to Africa, and ruled the Congo Free State for decades.

TOSSUP 18

The fourth movement of this 1962 work is entitled "Fears", and its words sum up the composition's themes: the roles of terror, the state, and the "triumphant lie" in human life. Nikita Khrushchev required that text be added that mentioned that Jews were not the only victims of the Holocaust, but he did not ban the work, which attacked both Hitler and Stalin. FTP, name this symphony by Dmitri Shostakovich, based on a poem by Yevgeny Yevtushenko about the massacre of Jews near Kiev.

ANSWER: LEOPOLD II

ANSWER: BABI YAR or the THIRTEENTH SYMPHONY

TOSSUP 14

This Broadway composer has won the Pulitzer, Oscar, Grammy, Tony, and National Medal of Arts, but only four of his twelve works have turned a profit. Protagonists of his works include a Roman slave, a French painter, an English barber, and an American assassin. Many of his songs have entered the show tune repertoire, but only one, "Send in the Clowns," has been a popular hit. FTP, name this composer and lyricist of A Little Night Music, Sweeney Todd, Assassins, and Into the Woods.

TOSSUP 19

The plateaus in the central Karamoja region depend on cattle-raising, while copper extraction is a major industry in the volcanic Ruwenzori mountain range, located in the west. A majority of the people are Bantu, with a sizable Nilotic minority; Swahili and English are the country's common languages. FTP, name this African nation, whose capital, Kampala, lies on Lake Victoria.

ANSWER: Stephen SONDHEIM

ANSWER: UGANDA

TOSSUP 15

The first inhabitants of this island were Celts, and the island was taken as a dependency of Norway in the 800s, sold to Scotland in 1266, and taken by England in the 1300s, before becoming a crown possession of Britain in 1828. It has a bicameral legislature known as the Court of Tynwald, made up of the council and the House of Keys; the monarch appoints a lieutenant governor as the Lord of the island. FTP, name this island, located in the Irish Sea, with its capital at Douglas.

TOSSUP 20

This 64-year-old economist joined Cambridge's Trinity College this year, after teaching at Harvard University, among other institutions. He works in development economics, the study of the welfare of the world's poorest people. His most famous publication is 1981's "Poverty and Famines". FTP, name this Indian welfare economist, winner of the 1998 Nobel Prize for Economics.

ANSWER: Amartya \_SEN\_

TOSSUP 21

During World War Two, the United States sent Moe Berg to Switzerland to kill this man, suspected of being the nucleus of Germany's nuclear program. Remaining in Germany during the war, he became the director of the Kaiser Wilhelm Institute, and had a famous falling out with Niels Bohr during these years. FTP, name this physicist, who postulated that the position and momentum of a particle could not both be known exactly?

ANSWER: Werner Karl \_HEISENBERG\_

TOSSUP 22

He apparently acted alone: the closest he had to an accomplice was an elderly North Carolina man who gave him some food and lent him a truck last summer. A carpenter and woodsman, he is believed to be hiding in the mountains of his native North Carolina. FTP, name this man, listed on the FBI's Ten Most Wanted list for his bombings of gay bars, a Birmingham abortion clinic, and the Atlanta's Centennial Park during the 1996 Olympic Games.

ANSWER: Eric \_RUDOLPH\_

BONI

BONUS 1

Identify these battles in World War II for the stated number of points.

A. (5) In December 1944, Germany attacks the advancing Allies, hoping to break through their lines and retake the town of Antwerp. The Allies fall back, but hold their position near the Meuse until Allied air power can counterattack.

ANSWER: Battle of the \_BULGE\_ or Battle of the \_ARDENNES\_

B. (10) On May 7th and 8th 1942, an Allied naval force checks the Japanese advance upon Australia, sinking two Japanese carriers. This is the first naval battle in history where the opposing ships do not directly sight each other.

ANSWER: Battle of the \_CORAL SEA\_

C. (15) In February 1943, Erwin Rommel drives back advancing American tank divisions from eastern Tunisia. This is the first major battle that American soldiers fight against Germany and the last victory Rommel's Afrika Korps enjoys.

ANSWER: Battle of \_KASSERINE PASS\_

BONUS 2

Identify the scientist from clues, 30-20-10.

A. (30) As the chief physicist at the Paris Observatory, he perfected the refracting telescope and calculated the distance to the sun to within 1 percent of the modern value, using a method later adopted by Albert Michelson.

B. (20) His first major discovery, in 1850, was that light travelled more quickly in air than in water, providing decisive evidence against the corpuscular theory of light.

C. (10) His most famous experiment, conducted in 1851, was completed with the aid of a pendulum, with which he has been associated ever since.

ANSWER: Leon \_FOUCAULT\_

BONUS 3

Name these schools of Chou philosophy based on the descriptions FTPE.

A. This school was founded by Sun-tzu, and is exemplified by his classic, "The Art of War".

ANSWER: \_STRATEGISTS\_

B. This school formulated the original idea of yin and yang as well as describing the universe in terms of five elements.

ANSWER: \_COSMOLOGISTS\_

C. This school taught the art of persuasion to be used in diplomatic negotiations, and was popular for its humor.

ANSWER: \_RHETORICIANS\_

BONUS 4

Given the description, name the data structure in Computer Science FTPE.

A. A Last-In/First-Out, or LIFO, data structure of ordered entries.

ANSWER: \_STACK\_

B. A First-In/First-Out, or FIFO, data structure of ordered entries.

ANSWER: \_QUEUE\_

C. An ordered tree in which each parent has no more than two children.

ANSWER: \_BINARY SEARCH TREE\_ or \_BINARY TREE\_

BONUS 5

30-20-10 name the painter

(30) He was born in 1839, his parents did not get married until 5 years after his birth. His first and only solo exhibition during his lifetime was held in Paris in 1895, and the public was largely unresponsive.

(20) He was a close friend of Emile Zola early in his career, although they grew estranged after he saw himself portrayed as a failed painter in Zola's "L'Oeuvre".

(10) His paintings include "Mont Sainte-Victoire with Large Pine Trees", "A Modern Olympia", and "The Struggle of Love".

ANSWER: Paul \_CEZANNE\_

## BONUS 6

Answer the following questions about references to the western literary canon in rock music lyrics FTPE.

A. The Cure's "Killing an Arab" is a reference to a work by this existential author.

ANSWER: Albert CAMUS

B. A 1981 hit by this band was named for a Twain character, ward of Aunt Polly.

ANSWER: RUSH, the song was called "Tom Sawyer"

C. The line "Keats and Yeats are on your side, but Wilde is on mine" from the song "Cemetery Gates" is supposed to be a allusion to this band's lead singer's homosexuality.

ANSWER: THE SMITHS

## BONUS 7

I'll name the cgs unit of a physical quantity, whose corresponding SI unit is named for a famous scientist. You give me that scientist's first name FTP each

A. dyne.

ANSWER: ISAAC Newton(SI unit of force)

B. erg

ANSWER: JAMES Joule(SI unit of work/energy)

C. g/cm\*s^2(grams per centimeter second squared)

ANSWER: BLAISE Pascal(SI unit of pressure)

## BONUS 8

Name the following members of the Judiciary Committee FTPE.

A. The ranking Democrat on the committee, he is a veteran of the Korean War. Representing Michigan's 14th district, this Detroit native was re-elected in 1996 to his seventeenth term. He is the longest-serving African-American in the history of the House.

ANSWER: John CONYERS

B. Serving Georgia's 7th district, he was first elected in 1994. He previously served with the CIA and as US Attorney for the Northern District of Georgia. A proud member of the NRA, he also serves on the Banking and Government Reform and Oversight Committees.

ANSWER: Robert "Bob" BARR

C. One of the few openly gay representatives, he is now in his 9th term in the House. Coming from Massachusetts' 4th, he additionally serves on the Banking Committee.

ANSWER: Barney FRANK

## BONUS 9

30-20-10 name the thinker from a list of works

30: "The Reveries of a Solitary Walker", "Julie, or, the new Heloise"

20: "Discourse on the New Sciences and Arts", "Discourse on the Origin of Inequality"

10: "On the Social Contract, On Education"

ANSWER: Jean-Jacques ROUSSEAU

## BONUS 10

Name the Egyptian pharaoh FTPE.

A. The 10th king of the 18th dynasty he was raised by his parents Amenhotep III and Queen Tiy to worship Amon. He preferred the god Aten, the sun god worshipped in earlier times, and is today thought to be the first monotheist.

ANSWER: AKHENATEN (do not accept Amenhotep IV)

B. 2nd king of the 19th dynasty, he rebuilt Karnak, and built his tomb in Thebes in the Valley of the Kings. Buried with him were over 700 Shabti, carved figures to accompany him to the afterlife. His body can currently be seen in the Cairo Museum.

ANSWER: SETI

C. Son of the empress Hatshepsut, he had her name striken from all public inscriptions and replaced with his own or his ancestors, due to his frustrations at having been kept from the throne for so long.

ANSWER: THUTMOSE III

## BONUS 11

Given the title of a recently published work of fiction, name the author FTPE:

A) I Married a Communist

ANSWER: Philip ROTH

B) The Poisonwood Bible

ANSWER: Barbara KINGSOLVER

C) Bech at Bay

ANSWER: John UPDIKE

## BONUS 12

Given the name of a Civil War general and the post he held, name his immediate predecessor FTP each.

A) Ambrose Burnside; Commander, Army of the Potomac

ANSWER: George MC CLELLAN

B) Robert E. Lee; Commander, Army of Northern Virginia

ANSWER: \_J\_oseph JOHNSTON\_ (prompt on Johnston)

C) Richard Ewell ; Commander 1st Division, Army of Northern Virginia

ANSWER: Thomas "Stonewall" \_JACKSON\_

BONUS 12

Name the logical fallacies from clues FTPE.

A. This term describes an after-the-fact explanation which does not apply to other situations.

ANSWER: \_AD HOC\_

B. To assume that what follows an action was necessarily caused by it.

ANSWER: \_POST HOC\_ ergo propter hoc

C. To misrepresent the arguments of one's opponent, dismantle the false arguments, and then claim that the original position has been demolished.

ANSWER: \_STRAWMAN\_

BONUS 14

Identify the author from lists of titles of works, 30-20-10.

A. (30) Two Cheers for Democracy, Abinger Harvest

B. (20) Aspects of the Novel, The Longest Journey

C. (10) Where Angels Fear to Tread, Maurice

ANSWER: E(dward) M(organ) \_FORSTER\_

BONUS 15

Identify these operas from the real names of their title characters for 15 points apiece. For example, if I said Walther von Stolzing, you would answer \_Die Meistersinger\_. You'll earn five points if you need the composer's name.

A. 15 pts) Violetta  
5 pts) Giuseppe Verdi

ANSWER: \_LA TRAVIATA\_

B. 15 pts) Vanderdecken  
5 pts) Richard Wagner

ANSWER: \_DER FLIEGENDE HOLLANDER\_ or \_THE FLYING DUTCHMAN\_

BONUS 16

Given a description of the process that led to its discovery, identify the sub-atomic particle FTPE:

A. Paul Dirac first theorized its existence in 1928; Carl Anderson discovered it in 1932.

ANSWER: \_POSITRON\_

B. In a 1935 paper on the strong force, Hideki Yukawa first theorized the existence of these particles and made accurate predictions of their mass. What five-letter word is given to such particles?

ANSWER: \_MESON\_

C. A group of scientists led by E.E. Powell of Bristol sent photographic plates high into the atmosphere in unmanned balloons; evidence of two specific types of meson resulted. FTP, name either of the two particles.

ANSWER: \_PION\_ (or \_PI MESON\_ )  
or \_MUON\_ (or \_MU MESON\_)

BONUS 17

Answer the following questions about a 1955 photography exhibition FTPE:

A. First, name the exhibition, hailed by some as the most important in the history of photography, which was intended to chronicle "the gamut of life from birth to death" and to reveal the relationship of people to themselves, their communities, their families, and the world around them.

ANSWER: The \_FAMILY OF MAN\_

B. Now name the museum which organized the exhibition, before it travelled around the world.

ANSWER: the \_MUSEUM OF MODERN ART\_ or \_MOMA\_

C. Finally, name the renowned photographer who oversaw the work of the exhibit.

ANSWER: Edward \_STEICHEN\_

BONUS 18

Identify the following terms from linguistics FTPE:

A. This is the term for the smallest meaningful pieces into which words can be divided.

ANSWER: \_MORPHEME\_

B. The sub-units of a morpheme, they are based on sounds and correspond roughly to the letters of the alphabet.

ANSWER: \_PHONEME\_

C. This two-word term refers either to the basic design behind the syntax of every language, or to the circuitry in a child's brain that allows him or her to discern the actual syntax of a language.

ANSWER: \_UNIVERSAL GRAMMAR\_

BONUS 19

30-20-10. Identify the composer from clues.

30. He left Germany when Josef Goebbels saw his opera \_Neues vom Tage\_

and said of him, "Opportunity creates not only thieves but also atonal musicians who in order to make a sensation exhibit on the stage nude women in the most disgusting and obscene situations, and further befoul these scenes with the most atrocious dissonance of musical impotence."

20. He coined the word Gebrauchsmusik (or Functional Music) for works he composed for theatre and radio or for children and amateur musicians to play.

10. His opera Mathis der Maler is the story of German artist Matthias Grunewald's participation in the Peasants Revolt.

ANSWER: Paul HINDEMITH

BONUS 20

Name the Ingmar Bergman film from clues FTPE.

A. A newlywed lawyer renews a past fling with an actress, leading to a weekend in the country.

ANSWER: SMILES OF A SUMMER NIGHT

B. On a journey to accept an award for his years of service, an aging professor is tormented by dreams and confronts the emptiness of his past.

ANSWER: WILD STRAWBERRIES

C. A knight returning from the Crusades to his plague-infested homeland crosses paths with an entourage of actors and others.

ANSWER: The SEVENTH SEAL

BONUS 21

Answer the following questions about Thomas Edward Lawrence for the stated number of points.

A. (5) By what 1962 Academy award winning movie name is he better known?

ANSWER: LAWRENCE OF ARABIA

B. (10) In what 1926 book did Lawrence describe his wartime experiences?

ANSWER: SEVEN PILLARS OF WISDOM

C. (15) What Middle Eastern battle in 1918 was Lawrence's final military achievement?

ANSWER: DAMASCUS

BONUS 22

30-20-10. Identify the year.

30. Undergrads at the College of William and Mary found Phi Beta Kappa.

20. Faced with opposition to his reforms, Louis XVI replaces finance minister Turgot with Jaques Necker.

10. Adam Smith publishes "The Wealth of Nations".

ANSWER: 1776