

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

QUARTERFINALS (Playoff round of 8 teams)

Packet by Chicago and Illinois

TOSSUPS

TOSSUP 1

Although trained as a mechanical engineer, he began taking night school classes in drawing in 1922. After a few brief stints as an illustrator, he moved to Paris and constructed a complete circus in miniature out of wood and wire. Influenced by Joan Miro and Piet Mondrian, he began to construct more abstract art. His sculpture "Universe" stands outside the Sears Tower in Chicago. FTP, name this artist, the creator of the mobile.

Answer: Alexander _CALDER_

TOSSUP 2

Long a bone of contention in the mathematical world, it states, according to the Zermelo-Frankel formulation, that for any set of disjoint sets, a set can be formed with exactly one element from each of the member sets. Proven consistent by Goedel (GUR-del) in 1940, Paul Cohen demonstrated in 1963 that it was independent from the other axioms in NBG set theory. FTP, name this axiom, also known as Zorn's lemma.

Answer: _AXIOM OF CHOICE_

TOSSUP 3

Red Rocket Toy Stores, Famous Players Theaters, Prentice-Hall Publishing, Simon Says dot Com, the Sundance Channel, Simon and Schuster Publishing, Comedy Central, Showtime, Paramount Studios, Star Trek Enterprises, Nickelodeon, and VH1 are all owned, FTP, by what company, also owners of MTV and Blockbuster?

Answer: _VIACOM_

TOSSUP 4

Three were named Nicephorus, two were named Isaac, three were named Andronicus, and there was one each of Phocas, Stauracius, Maurice, and Zenon. The last three were named John, who ruled almost a thousand years after the first three, Arcadius, Theodosius II, and Marcianus. FTP, identify this position, which was also famously held by Leo the Isaurian, Basil the Macedonian, Alexius Comnenus, Irene, and Justinian.

Answer: _BYZANTINE EMPEROR_s

TOSSUP 5

The title character's husband spends their honeymoon researching a book on domestic crafts in the Middle Ages. Other books appearing in the play include a history of civilization and a manuscript in which the author foretells the future, which was written with the help of Thea Elvsted and which is burned by the title character. FTP,

identify this play, which features the sinister Judge Brack, the alcoholic Eilert Lovberg, and George Tesman, the husband of the title character in this work by Ibsen.

Answer: _HEDDA GABLER_

TOSSUP 6

It has a 66 megahertz system bus, a 512K backside cache, a built-in 100Base-T ethernet connector and a built-in v.90 modem. Also under its Bondi Blue case are a 24 speed CD-ROM drive, a 233 Megahertz G3 processor and a 15-inch monitor, but no floppy drive. FTP, what is this, the best-selling single computer model in the country during the month of September?

Answer: Apple _IMAC_ [iMac]

TOSSUP 7

First proposed in 1847 by Vice President George M. Dallas and popularized by Lewis Cass in his 1848 presidential campaign, it was used in the Compromise of 1850 to determine the legality of slavery in Utah and New Mexico Territories. FTP, name this doctrine which sought to avoid sectional conflict over slavery and formed the basis of the Kansas-Nebraska Act.

Answer: _POPULAR SOVEREIGNTY_

TOSSUP 8

In 1902, the organization responsible for this annual game gave up football in favor of Roman-style chariot races until 1916 when it was reintroduced. Oregon St. beat Duke 20 to 16 on Jan. 1, 1942 in a game that had been relocated to North Carolina because of World War II restrictions on large crowds on the West Coast. In 1947, it began matching the teams from the Pacific Coast Conference and the Big Ten, a tradition it maintained until entering the Bowl Alliance in 1998. FTP, what is this event usually held in Pasadena, CA?

Answer: _ROSE BOWL_

TOSSUP 9

In Mexico, it roughly parallels the course of the Sierra Madre Occidental and the Sierra Madre del Sur ranges. In Canada, it encompasses a portion of the British Columbia-Alberta border, while in the US, it passes through the states of Montana, Wyoming, Colorado, and New Mexico. FTP, what is this demarcation which indicates whether a drainage basin principally empties into the Mississippi or the Pacific Ocean?

Answer: _CONTINENTAL DIVIDE_

TOSSUP 10

First performed in 1773, this play's alternate title is "The Mistakes of a Night." It tells the story of Kate Hardcastle, who poses as a servant to win the heart of a young man who is too shy to date ladies of his own class. FTP, name this Oliver Goldsmith play.

Answer: _SHE STOOPS TO CONQUER_

TOSSUP 11

His exploits are celebrated in a vast cycle of oral tales. The chief animal of the prehuman animal age, the tribes of the American West considered him a demiurge or a maker of fateful decisions. Among the Plains tribes, he was more of a hero who secured fire and daylight for man and originated human arts. FTP, name this cunning animal, who was often bested by turning his own greed and cunning against him, rather than by faulty ACME devices.

Answer: _COYOTE_

TOSSUP 12

Arthur Meyerhoff bought this from its founder in 1944, and presided over its golden age until bowing out in 1951. Although in Kenosha, South Bend, Racine, and Rockford one could find Max Carey, Dave Bancroft, and Jimmie Foxx, audiences came out instead to cheer on the likes of Sophie Kurys and Dorothy Kamenshek. For ten points, what is this organization in existence from 1943 to 1954, founded by Philip K. Wrigley, and featured in the 1992 movie, "A League of Their Own"?

Answer: _A_ll_A_merican_G_irls_P_rofessional_B_aseball_L_eague (AAGBPL)

TOSSUP 13

This metabolic process has four major steps: an oxidation, a hydration, another oxidation, and a thiolysis. With each repetition of this process, the substrate is shortened by two carbon atoms. Repeated until the substrate's entire tail has been broken into acetyl-CoA, this process enables the cell to harvest energy from fatty acids. FTP, name this process, which takes place in the mitochondria and the peroxisomes.

Answer: _BETA OXIDATION_

TOSSUP 14

He caught cold on the way to the funeral of Clara Schumann in 1896 and died the next year after attending a performance of his Fourth Symphony. Although his early compositions, written as music-master to the Prince Lippe-Detmold, were failures, his career picked up when he led the Hamburg women's choir in the 1860s, producing such works as the Handel Variations for piano. FTP, identify this German composer of "Variations on a Theme of Paganini", the "Academic Festival Overture", and the "German Requiem".

Answer: Johannes _BRAHMS_

TOSSUP 15

This term refers to any bird in the subfamily Ardeinae of family Ardeidae. They are divided into the typical night, and tiger varieties, the first of which contains egrets. Most common in tropics, they feed on aquatic animals in shallow water, and nest on stick platforms. FTP name these birds, types of which include the Nankeen, goliath, and great blue.

Answer: _HERON_

TOSSUP 16

She was born in England, but moved to Tennessee after the Civil War, where she made a reputation as a sentimental novelist with "That Lass o'Lowrie's". The author of "The One I Knew Best of All", an autobiography, and "The White People", a supernatural novel, she is best remembered for her books for children. FTP, name this author, best known for "Little Lord Fauntleroy", "The Little Princess", and "The Secret Garden".

Answer: Frances Hodgson _BURNETT_

TOSSUP 17

Brought to America from Germany by Margot Fraser in 1966, they are made primarily of cork, with some latex, jute and other natural materials. Over the years, the Fox Trot, Canberra and Trinidad have joined the classic Arizona style. They were once associated mainly with hippies and Earth Mothers, but, FTP, name this brand of footwear, whose suede straps and contoured footbeds have regained popularity in the 90s.

Answer: _BIRKENSTOCK_s

TOSSUP 18

Marshal MacMahon had intended to march his forces to the relief of a French army trapped at Metz, but was intercepted by an army under Crown Prince Albert of Saxony and encircled by a second Prussian army under Crown Prince Frederick William. FTP, name this September 1, 1870 battle of the Franco-Prussian War which saw the capture of Napoleon III and led to an uprising in Paris.

Answer: Battle of _SEDAN_

TOSSUP 19

The Rinzaï sect of this religion emphasizes sudden shock and meditation on paradoxical riddles called koans (KONES) while the Soto sect prefers zazen, the method of sitting in meditation, as a method to reaching satori. A form of Mahayana Buddhism, it developed a rich cultural life in art, literature, and the tea cult. FTP, name this sect of Buddhism that arose in China, but developed fully in Japan.

Answer: _ZEN_ or _CHAN_ Buddhism

TOSSUP 20

The ska band Madness wrote a song about him, to which he lent his voice. Born Maurice Micklewhite, he first gained notice with his performance as an officer in 1963's "Zulu". He went on to appear as the title character in "Alfie", and played Homer when Mr. Burns tried to convince Bart that his family no longer loved him on "The Simpsons." FTP, name this actor, who also appeared in "Sleuth" and "Educating Rita", and won an Academy Award for "Hannah and Her Sisters".

Answer: Michael _CAINE_

TOSSUP 21

It was adapted by Turgenev in an 1870 short story, which told of Kharkov's revenge on his children. The story was also told in "A Mirror for Magistrates" and by Geoffrey of Monmouth and Raphael

Holinshed, though the version we know best was influenced by an anonymous play published in 1605. FTP, name the legendary king of Britain whose friends include the loyal Kent and the Earl of Gloucester, who gives his kingdom to his daughters with tragic results in a Shakespeare play.

Answer: King LEAR

TOSSUP 22

In 1866 he died of tuberculosis at the age of 40, but he wasn't a starving artist. To the contrary, he occupied a professorship once held by Gauss, and tied the study of prime numbers to his hypothesis and zeta function. FTP name this founder of modern geometry, for whom a common integral is named.

Answer: Bernhard RIEMANN

TOSSUP 23

Brillat-Savarin claimed that because ladies found so much pleasure in a drink made from it, bishops censured their indulgence. Its beans were once used as currency; 4 beans would buy a turkey, and 100 a slave. Cultivated in Africa and Central and South America, it is used in savory dishes such as the Mexican mole (mo-lay), but is generally used sweetened. FTP, name this craving-inducing food, whose familiar forms include mousse, cake, and Hershey bars.

Answer: COCOA or CHOCOLATE

BONI

BONUS 1

The 20th century has seen several re-drawings of the Polish borders. Given a description of a Polish geographical feature identify it for ten points apiece.

A. This 516-mile river drains into the Narew River; it was part of the original Curzon line, and helped mark the border where Germany and the Soviet Union partitioned Poland in 1939.

Answer: BUG River

B. This river, second only to the Vistula in discharge and length in the Baltic drainage basin, is linked to the industrial area of Silesia by the Gliwice Canal; jointly with the Neisse River, it became the boundary for the new Polish-German border at the end of World War II.

Answer: ODER River

C. This strip of land, ranging in size from 20 to 70 miles across, was perhaps the most controversial feature of the newly-reconstituted Polish geography after World War I; the location of a free city under the control of the League of Nations within this area of land was one of the pretexts Hitler used to invade in 1939.

Answer: POLISH CORRIDOR or DANZIG CORRIDOR

BONUS 2

For ten points each name these geographic features of Venezuela.

A. This lake in Venezuela is the largest on the continent. A city of the same name has approximately 1.3 million residents and is the second largest city in Venezuela.

Answer: Lake MARACAIBO

B. This river, discovered in 1498 by Columbus, flows 1,500 miles partly along the Colombia-Venezuela border before emptying into the Atlantic Ocean.

Answer: ORINOCO River

C. This is the name for the plains that extend from the mountains to the Orinoco River.

Answer: ILANOS

BONUS 3

Identify these operatic composers from works on a 15-5 basis.

A. For 15 points: "Apollo and Hyacinth"
For 5 points: "La Clemenza di Tito"

Answer: Wolfgang Amadeus MOZART

B. For 15 points: "La Vie Parisienne"
For 5 points: "Tales of Hoffman"

Answer: Jacques OFFENBACH

BONUS 4

Given a country, name its current head of state, for the stated number of points.

A. For 5 points: Mexico

Answer: Ernesto ZEDILLO

B. For 10 points: Ireland

Answer: Mary MCALEESE

C. For 15 points: Lithuania

Answer: Valdas ADAMKUS

BONUS 5

Given songs from a rock album, name the album for ten points each. If you can only identify the band, you'll earn five points.

A. In My Time of Dying, Custard Pie, Houses of the Holy

Answer: PHYSICAL GRAFFITI (album) or
LED ZEPPELIN (band)

B. The Changeling, Love Her Madly, Riders on the Storm

Answer: L.A. WOMAN (album) or
The DOORS (band)

C. Shine On You Crazy Diamond, Have A Cigar, Welcome To Machine

Answer: _WISH YOU WERE HERE_ (album) or
PINK FLOYD

BONUS 6

FTPE, given the name of an amino acid, tell whether its R group is aliphatic, aromatic, polar, positively charged, or negatively charged.

A. Glycine

Answer: _ALIPHATIC_

B. Phenylalanine

Answer: _AROMATIC_

C. Serine

Answer: _POLAR_

BONUS 7

For the stated number of points, name the revolutionary Russian political party.

A. For 5 points: The name literally means "minority;" it was Trotsky's original political party.

Answer: _MENSHEVIK_s

B. For 10 points: They ideologically followed the Narodniki (Populists), but were often seen as political terrorists. They were the dominant political party immediately after the October Revolution.

Answer: _SOCIALIST REVOLUTIONARY_ party or _SR_

C. For 15 points: Formed by the historian Miliukov, they lead the first Duma in 1906. Largely professors and businessmen, their moderate stance made them disliked by the conservatives and radicals, and they had little effect after 1917.

Answer: _CONSTITUTIONAL DEMOCRATS_ or _KADET_s_

BONUS 8

Answer the following questions relating to geometry FTPE.

A. The development of non-Euclidean geometries came from the study of which of Euclid's postulates?

Answer: _FIFTH_ or _PARALLEL_ postulate

B. In what sort of non-Euclidean geometry is the sum of the angles of a triangle less than 180 degrees?

Answer: _HYPERBOLIC_ or _LOBACHEVSKIAN_

C. In 1899, who published "The Foundations of Geometry", which described new and rigorous axioms for Euclidean geometry?

Answer: David _HILBERT_

BONUS 9

Name these famous football backfields for the stated number of points.

A. For five points: This Notre Dame backfield of the 1920's was immortalized by sportswriter Grantland Rice and consisted of Jim Crowley, Elmer Leyden, Don Miller, and Harry Stuhldreher.

Answer: The _FOUR HORSEMEN_ of Notre Dame

B. For ten points: This San Francisco 49ers backfield of the 1950's consisted of Hall of Famers John Henry Johnson, Hugh McElhenny, Joe Perry, and Y.A. Tittle but failed to make the NFL Championship Game.

Answer: The _MILLION DOLLAR BACKFIELD_

C. For fifteen points: This Southern Methodist University backfield of the 1980's was led by Eric Dickerson and Craig James.

Answer: The _PONY EXPRESS_

BONUS 10

Identify the famous historical Roman from clues, 30-20-10.

A. For 30 points: He appears as a character in Cicero's dialogues "De Re Publica" and "De Amicitia" (Amih-KIH-tee-a) and is used by Cicero to express his own views.

B. For 20 points: He was the patron of Terence and the mentor of Polybius.

C. For 10 points: As consul in 147 BC he brought the Third Punic War to a close and destroyed Carthage.

Answer: Publius Cornelius _SCIPIO AEMILIANUS_ or _SCIPIO AFRICANUS MINOR_ or _SCIPIO AFRICANUS_ the _YOUNGER_

BONUS 11

Given a product which is useful while writing questions to make a packet deadline, name the senior parent company that owns its manufacturer, for TPE. For example, if I said "Sports Illustrated", you'd say TimeWarner.

A. Random House Third New International Dictionary

Answer: _BERTELSMANN_ Media Group, AG. (accept _BMG_)

B. Starbucks Coffee

Answer: _STARBUCKS_, Inc.

C. Pepto Bismol

Ans: _PROCTER AND GAMBLE_

BONUS 12

Identify these authors mentioned on "The Simpsons" on a 15-5 basis.

A. For 15 points: For years, Homer has mistakenly believed that the tombstone of this author belonged to his mother. When he discovers his mistake, he kicks it and repeatedly proclaims his hatred of this man.

For 5 points: Homer also says "Leaves of Grass my ass!" to make his point more emphatic.

Answer: Walt WHITMAN

B. For 15 points: Lisa quotes this author to suggest that Bart's inability to laugh indicates his lack of a soul.

For 5 points: In response, Bart replies that he "is familiar with the works" of this poet and 1971 Nobel Prize winner.

Answer: Pablo NERUDA

BONUS 13

Answer these questions about that famous traitor, Judas, 5-10-15.

A. What did Judas do to identify Jesus to the armed guards?

Answer: he EMBRACEd or he KISSed Jesus (accept equivalents)

B. In what place did Judas betray Jesus?

Answer: the GARDEN OF GETHSEMANE

C. Always listed last among the disciples, what occupational position did Judas have among them?

Answer: TREASURER (accept equivalents)

BONUS 14

Identify the medieval heresy from a brief description FTPE.

A. The eponymous 1208 Crusade achieved little in the way of religious results, so this form of Manichaeism survived in southern France until the fourteenth century.

Answer: ALBIGENSIAN_ism (Do not accept Catharism)

B. Strongly influenced by the ideas of John Wyclif, this Bohemian group denied the infallibility of an immoral pope and asserted the ultimate authority of Scripture over the Church. It's leader was burned in 1414 at the Council of Constance.

Answer: HUSS_ites

C. Subject of a poem by John Milton, they were first declared heretics in 1184. Their priests took a strict vow of poverty and rejected the papacy, purgatory, and the mass.

Answer: WALDENSIAN_s

BONUS 15

Identify these twentieth-century artists from works, FTPE.

A. "I and the Village" and "King David"

Answer: Marc CHAGALL

B. "Delights of the Poet" and "Nostalgia of the Infinite"

Answer: Giorgio de CHIRICO

A. "Charles Bridge" and "The Betrothed of the Wind"

Answer: Oskar KOKOSCHKA

BONUS 16

Identify these works of Bertolt Brecht, for the stated number of points.

A. For 5 points: This play in 12 scenes is set during the Thirty Years War.

Answer: MOTHER COURAGE AND HER CHILDREN or MUTTER COURAGE UND IHRE KINDER

B. For 10 points: This "parable in 10 scenes" concludes with the revelation that Shui Ta and Shen Te are one and the same person.

Answer: The GOOD WOMAN OF SETZUAN or Der GUTE MENSCH VON SEZUAN

C. For 15 points: Brecht's first professional production was a 1924 collaboration with Feuchtwanger based on this Elizabethan drama.

Answer: EDWARD II

BONUS 17

Imagine that you are playing with an oscilloscope, and you are plotting the magnitude of one sine wave against another. For 15 points each,

A. If both sine waves have the same magnitude and frequency and are 90 degrees out of phase, what geometric shape will you see?

Answer: a CIRCLE

B. If the sine waves still have the different frequencies, you may be able to plot one of these stable patterns, comprised of many different 'lobes'.

Answer: LISSAJOUS figure

BONUS 18

One of the seminal works of modern Anthropology is Ruth Benedict's "Patterns of Culture", in which she compared the cultures of three peoples.

A. For 15 points, Benedict spent several years living among these peoples of New Mexico, whom she discussed in "Patterns of Culture".

Answer: ZUNI Indians (prompt on Pueblo)

B. For another 15 points, name either of the other two peoples who Benedict mainly analyzes in "Patterns of Culture", one from Vancouver Island, the other from Melanesia.

Answer: KWAKIUTL or DOBU

BONUS 19

30-20-10, Name the building from clues

A. For 30 points: It is the tallest mixed-use building in the world and

has its own ZIP code.

B. For 20 points: Designed by Skidmore, Owings, and Merrill and built in 1969, it has 100 stories, and is the tenth-tallest building in the world.

C. Chris Farley died in his 62 nd-floor apartment in this Chicago building.

Answer: JOHN HANCOCK Tower, CHICAGO (Chicago is needed before the 10; there is a JH Tower in Boston.)

BONUS 20

Star Wars bonus time! Answer these questions about the new Star Wars movie, 5-10-15.

A. In the upcoming Star Wars movie, who stars as the young Obi-Wan Kenobi?

Answer: Ewan MACGREGOR

B. Who stars as the young Anakin Skywalker?

Answer: Jake LLOYD

C. What is the subtitle of the new Star Wars movie?

Answer: Star Wars: Episode I -- THE PHANTOM MENACE

BONUS 21

Identify these things related to the human heart for the stated number of points.

A. For five points: Name the term that is given to an abnormal heartbeat.

Answer: ARRHYTHMIA

B. For five points: Name the term that is defined as "rapid and uncoordinated beating of chambers of the heart."

Answer: FIBRILLATION

C. For ten points: Name the term that designates a condition where insufficient amount of blood and oxygen reaching the tissues.

Answer: ISCHEMIA

D. For ten points: Name the term that is given to a rapid heartbeat.

Answer: TACHYCARDIA

BONUS 22

For the stated number of points name these battles of the Great Northern War:

A. For five points: This battle of 1709 was by far the most decisive of the war. In it nearly the entire Swedish army was wiped out and Charles the XII of Sweden was wounded.

Answer: Battle of POLTAVA

B. For ten points: The Swedish supply line was being encroached upon near Riga. Russian hit and run tactics near this village forced the Swedes to destroy their artillery and supplies and to cut their way out. Russian losses approached 10,000.

Answer: Battle of LIESNA

C. For fifteen points: After Charles' defeat at Poltava he regrouped an army powerful enough to attack Norway at this site. While inspecting the front lines Charles was shot and killed. This was the last battle of the Great Northern War.

Answer: Battle of FREDRIKSHALD

BONUS 23

FTPE, name these W.B. Yeats poems from lines:

A. Romantic Ireland's dead and gone / It's with O'Leary in the grave

Answer: SEPTEMBER 1913

B. But I, being poor, have only my dreams; / I have spread my dreams under your feet

Answer: HE WISHES FOR THE CLOTHS OF HEAVEN

C. But one man loved the pilgrim soul in you, / And loved the sorrows of your changing face

Answer: WHEN YOU ARE OLD