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Beaver Bonspiel IX Round 4
Packet by Adam Fine and Daniel Greenstein (I)

Toss-Ups

1. This story contains a James Bond, or more specifically a Jim Bond, who laughs after his grandfather's mansion burns down at the end. Rosa Coldfield tells the story to Quentin Compson just before he leaves Harvard in 1910, while Quentin finishes the narrative, featuring the murder of Charles Bon by his half-brother Henry. For ten points, identify the 1936 Faulkner novel that chronicles the decline of Southern aristocrat wannabe Thomas Sutpen, with a title evoking a son of King David.

Answer: Absalom! Absalom!

2. It sank on December 2, 1994, while in the Indian Ocean; earlier that year, a fire broke out in its engine room. However, it was the stage for perhaps a greater tragedy nine years earlier, when Muhammad Abbas and three other Palestinian terrorists took control of it, killing elderly American Leon Klinghoffer. For ten points, identify the Italian cruise ship hijacked by Palestinians off the coast of Egypt in October 1985.

Answer: Achille Lauro

3. This type of bar, used in automobile suspension systems, is a form of spring. This type of balance, which indicates its measurements by the displacement of a beam of light reflected from a contained plane mirror, was utilized by Henry Cavendish and Charles Boys to determine the gravitational constant. For ten points, name this term for the twisting of one end of a body along its longitudinal axis while the other end is held steady or twisted the opposite way.

Answer: torsion

4. When a person declares his intention to become one, he enters the first of ten spiritual stages, called *bhumi*. The Theravada believe that Gautama before his Enlightenment was the only one, but the Mahayana believe that any man who has decided to achieve complete enlightenment may become one. For ten points, what term in Buddhism denotes an individual destined to become a buddha either in his own life or in his afterlife?

Answer: bodhisattva

5. Adam Sisk was the first player they ever signed, while Paul Wilder was their first draft pick. Owner Vince Namoli presided over the groundbreaking of their ballpark, and a few months later they signed Cuban National Team ace Rolando Arrojo, who would become their first All-Star. For ten points, name the team where Wade Boggs earned his 3000th career hit, which plays its games in the ThunderDome and for five straight years has finished last in the American League East.

Answer: Tampa Bay Devil Rays (accept either)

6. Two separate treaties were signed to end it: the first at Ancón, which gave the victor the rights to the Tarapaca province; and the second at Valparaiso, which gave the winner the province of Atacama, Bolivia's only coastal territory. For ten points, Chile gained the spoils from what five-year war with Bolivia and Peru that lasted from 1879 to 1884?

Answer: War of the Pacific

7. He studied the way well-adjusted people function in society, and also the adjustment by adolescents to adulthood. Later in his career he wrote psychohistories, such as *Gandhi's Truth*, which connected the Mahatma's personal development to his public career, and *Young Man Luther*. For ten points, what German psychoanalyst developed the identity crisis theory in his first work, *Childhood and Society*?

Answer: Erik Erikson

8. Compare adjacent elements. If the first is greater than the second, swap them. Do this for each pair of adjacent elements until the first value in the comparison is not greater than the second. Repeat the above steps for all elements except the last one, starting at the next element in the array, until there are no more pairs to compare. For ten points, identify this simple sorting algorithm that runs in big oh of n squared time

and is now discouraged in favor of insertion sort.

Answer: bubble sort

9. On history, she remarks: "I read it a little as a duty, but it tells me nothing that does not either vex or weary me... the men all so good for nothing, and hardly any women at all - it is very tiresome." For ten points, what main character makes this confession to Eleanor and Henry Tilney, preferring Gothic novels to history in Jane Austen's novel *Northanger Abbey*?

Answer: Catherine Morland (accept either)

10. Andrea Amati made two in Cremona, Italy around 1565. Its body is approximately 30 inches long, and its lower end is kept off the floor by an endpin. Johann Sebastian Bach and Luigi Boccherini composed solo pieces for it, while prominent twentieth century performers include Mstislav Rostropovich and Pablo Casals. For ten points, what instrument, tuned an octave below the viola, is the second largest member of the violin family?

Answer: cello (or violoncello)

11. His mathematical contributions included determining the isogonic center of a triangle and finding the length of the arc of a cycloid, while his only published work, 1644's *Opera geometrica*, analyzed projectile motion. His theorem states that the flow of a liquid through an opening is proportional to the square root of the height of the liquid. However, he is best known for the application of an experiment suggested by Galileo, for whom he served as secretary. For ten points, name this inventor of the barometer.

Answer: Evangelista Torricelli

12. It contains three major forest regions: the Madhupur Jungle, inhabited by tigers; a swamp region called the Sundarbans, containing many crocodiles; and the highest point in the nation, the Chittagong Hills. Though its land area is smaller than that of the state of Wisconsin, over 130 million people live there, making the country vulnerable to natural disasters. For ten points, what nation, containing the Ganges Delta, has its capital at Dhaka?

Answer: Bangladesh

13. The Reverend John Heckewelder wrote a legend about him, while Henry Rowe Schoolcraft's *Algic Researches* places him among the Chippewa, with the name Manabozho. Thus the most famous account of his life is set on Lake Superior, instead of New York. For ten points, what Ojibwa Indian, the hero of a Henry Wadsworth Longfellow poem, ends up traveling with his wife Minnehaha to the Land of the Northwest Wind?

Answer: Hiawatha

14. It is related directly to consumption and inversely to the amount of money people save. In other words, with less money saved, the number related to this effect will be lower. A term commonly applied to investment spending, for ten points, when a \$40 billion investment causes a \$200 billion increase in national income, what name is given to that effect measured by the number 5.0?

Answer: multiplier effect

15. A mansion called Sessrymnir in the realm of Flokvang was her home. She had to betray her husband Oder in order to obtain the Brisning necklace, and then she had to search the world for him. The daughter of Skadi and Njord, she was able to claim half of the warriors killed in battle. For ten points, name this blond-haired, blue-eyed goddess of first love and beauty who had a brother with a very similar name.

Answer: Freya

16. Alan was the first known member of the line, as he moved from Brittany to England in the early twelfth century. His youngest son Walter became an official of the household of King David I of Scotland, while 150 years later, another Walter married Robert the Bruce's daughter Marjory, making their son Robert II its first monarch. For ten points, identify the dynasty that ruled Scotland for over half a millennium, featuring Mary Queen of Scots and a bunch of Jameses, the sixth taking the throne of England as James I.

Answer: Stuart

17. The sky in the background is filled with black smoke on the viewer's right but is mostly blue and white on the left, while in the left part of the foreground we see four men in red behind a man in a green coat with his back turned and a sitting man with no shirt. The title figure's pose resembles the traditional pose of the dead Christ, and the eye is drawn to his bright red uniform and the flag being held behind him. For ten points, identify this 1770 painting, featuring the fallen winner of the Battle of Quebec, by Benjamin West.

Answer: The Death of General Wolfe

18. These units can cause diseases such as Duchenne muscular dystrophy, porphyria, SCID and both types of Hemophilia, while they also cause bacteria to develop resistance to antibiotics. Known in fruit flies as P elements, they were first discovered in maize, half of whose genome is made up of these objects. For ten points, name these sequences of DNA that can move around to different positions within the genome of a single cell, whose 1940 discovery earned Barbara McClintock the 1983 Nobel Prize.

Answer: transposons

19. Sick during most of his youth, he spent most of that time confined to a chair designed by his father Giacomo (JAH-co-mo). Recruited by the Carbonari, he abandoned that group after they failed to support him when he was jailed and exiled to France in 1831. The leader of the Young Italy movement, for ten points, was what man who returned to his homeland during the Revolutions of 1848, but after a short stay in power was exiled again, and was later disappointed at the nationalization movement set up by Cavour?

Answer: Giuseppe Mazzini

20. Her husband Robert Nemiroff adapted some of her unfinished work into two posthumous plays, *Les Blancs* and *To Be Young, Gifted and Black*. Her second play, *The Sign in Sidney Brustein's Window*, dealt with a Greenwich (GREN-itch) village intellectual, and had a short run in the year before her death at age 34. For ten points, name the African-American dramatist who won the New York Drama Critics' Circle Award for 1959's *A Raisin in the Sun*.

Answer: Lorraine Hansberry

21. After his most famous exploits, he settled down as a rancher for fifteen years in Roswell, New Mexico. On the road to Las Cruces in 1908, however, fellow rancher Wayne Brazel may have shot him in a dispute over a lease, though Brazel was acquitted of all charges. For ten points, name the man who earlier served as the sheriff of Lincoln County, New Mexico, when in 1881 he tracked down and killed Billy the Kid.

Answer: Pat Garrett

22. "Back to back, sacroiliac. Spineless movement and a wild attack..." "You go out at night eating cars. You eat Cadillacs, Lincolns too. Mercurys and Subaru..." "Don't move too slow 'cause the man from Mars is through with cars. He's eating bars..." Fab 5 Freddy told Debbie Harry that "everybody's fly" in, for ten points, what 1981 rap hit by Blondie?

Answer: "Rapture" (prompt on "Debbie Harry" or "Blondie" until each is mentioned in the question)

23. Its original goal was to foster economic cooperation and monitor the macroeconomic conditions of its constituent countries to avoid the disastrous policies that had caused the Great Depression. However, many people have accused the organization of retarding growth in third world countries with its handing out of high-interest loans. For ten points, name this organization formed in 1944 at the Bretton Woods conference whose Washington location saw massive protests four weeks ago during its meeting with the World Bank.

Answer: International Monetary Fund (or IMF)

24. *The Book of Margery Kempe*. *Litera ad postero* by Petrarch. *Grace Abounding the Chief of Sinners* by John Bunyan. *Confessions* by Jean-Jacques Rousseau. *The Education of Henry Adams*. All of these works were written, for ten points, in which genre where an author writes a book about him- or herself?

Answer: autobiography

Bonuses

1. Southern Maryland has not boasted many prominent Americans, but one famous author was born there in 1894. For ten points each:

a. Name the man who served eight years as a Pinkerton detective before turning to hard-boiled fiction with novels like *The Dain Curse* and *The Maltese Falcon*.

Answer: Dashiell Hammett

b. Dashiell Hammett's novel *The Thin Man* introduced the world to what husband-wife team of detectives, who owned the dog favored by crossword puzzle writers, Asta?

Answer: Nick and Nora Charles (accept either, but need both first names if that is what is given)

c. What thirty-year companion of Hammett and author of *Watch on the Rhine* edited his posthumous autobiographical novel *The Big Knockover and Other Stories*?

Answer: Lillian Hellman

2. For fifteen points each, given a description, identify these two dwellings traditionally inhabited by Native Americans.

a. Some of the Navajo live in this structure made of horizontal logs built in toward the center, so that the roof looks like the top of a beehive. The dwelling is usually covered in mud, with a blanket covering the entryway, and family members sleep on sheep pelts around a central fire.

Answer: hogan

b. Used by a number of the itinerant Algonkian tribes of the upper Great Lakes and Northeast, it is made of saplings inserted into the ground and tied together to form a domelike roof, with bark or hides covering the framework.

Answer: wigwam

3. Identify the following Greek lettered functions for ten points each.

a. This function, which generalizes the factorial function to the complex plane, is also known as Euler's (OY-lers) Second Integral.

Answer: Gamma function

b. For real numbers m and n , this function is the product of the Gamma functions for m and n , divided by the Gamma function for the sum m plus n .

Answer: Beta function

c. Originating from the work of Euler, this function was expanded by Riemann to fit the complex numbers. It is equal to the summation from one to infinity of one over n to the s , where s is a complex number with real part greater than one.

Answer: Zeta function

4. 30-20-10 name the American:

30: Republican Senator Philetus Sawyer tried to bribe him in 1891, but he refused, starting a long and bitter political rivalry.

20: Elected governor in 1900 and chosen as Senator in 1905, he supported strengthening of the Hepburn Act, and while he supported President Wilson on most issues, he vehemently opposed entry into World War I.

10: This Wisconsin Progressive then ran for President himself in 1924, and earned 17% of the popular vote, but the effort exhausted him, and he died the following year.

Answer: Robert M. LaFollette Sr.

5. In at least two prime-time sitcoms, the actor who plays the older sibling on the show is actually younger than the show's younger sibling in real-life.

a. Frankie Muniz, for instance, is two months older than his second-oldest brother on *Malcolm in the Middle*. For five points for one and fifteen for both, name the actor who plays the brother, and his character's first name.

Answers: Justin Berfield; Reese

b. Much more ridiculous is the situation on *8 Simple Rules for Dating My Teenage Daughter*. 23-year old Amy Davidson plays 15-year old Kerry Hennessy. Five points for one and fifteen for both, name the 16-year old actress who plays her older sister on the show, and her character's first name.

Answer: Kaley Cuoco; Bridget

6. Identify the following Czech novels from plot descriptions for fifteen points each, or for ten if you need the author.

a. 15: During the Prague spring of 1968, surgeon Tomas writes a letter supporting Alexander Dubcek (DOOB-chek), but is forced to retract that letter when the Soviets take over. Meanwhile, Tomas fools around with artist Sabina behind his wife Tereza's back.

10: Milan Kundera

Answer: *The Unbearable Lightness of Being* (*Nesnesnitelná lehkost byti*)

b. 15: During World War I the title character avoids military service by being declared feeble-minded. He works for a priest, but gets transferred to an officer when the priest loses a poker game.

10: Jaroslav Hasek

Answer: *The Good Soldier Schweik* (*Osudy dobrého vojáka Svejka za světové války*)

7. Identify these groups of people for ten points each.

a. This was the European term for the Nizaris, a sub-branch of the Ismaili sect of Islam, who held a string of mountain fortresses in northern Iran and Syria in the mid-thirteenth century.

Answer: Assassins

b. This group ousted the Assassins from their fortresses in 1273. Figuring most prominently in Egypt, they also defeated the Mongols in Syria and the Crusaders before Muhammad Ali thoroughly annihilated them in 1811.

Answer: Mamelukes

c. Sultan Murad I established this fighting force of Christian slaves who were forced to convert to Islam. Originally a hardcore unit, by the nineteenth century they had become worldly and soft, so Mahmud II executed the remaining members.

Answer: Janissaries

8. Five for one, ten for two, 20 for three and 30 points for all four; identify these things from thermodynamics.

a. This law states that the entropy of a perfect crystalline substance at absolute zero is zero.

Answer: Third Law of Thermodynamics

b. This quantity, represented by G, is a system's enthalpy minus the product of its entropy and temperature.

Answer: Gibbs free energy

c. This law states that if systems A and B are in thermal equilibrium and B and C are in thermal equilibrium, then A and C are in thermal equilibrium.

Answer: Zeroth Law of Thermodynamics

d. This quantity, represented by F, is a system's internal energy minus the product of its entropy and temperature.

Answer: Helmholtz free energy

9. Answer these questions about the great American photographer Alfred Stieglitz for ten points each.

a. In 1902 Stieglitz organized an exhibition that gave rise to what avant-garde artistic photography movement?

Answer: Photo-Secession

b. Stieglitz completed a series of portraits of which noted American painter, whom he married in 1924?

Answer: Georgia O'Keeffe

c. In 1929 Stieglitz first showed a group of studies of clouds and the sky known by what name?

Answer: Equivalents

10. Given a set of four emperors, arrange them in the chronological order in which they reigned for fifteen points each.

a. Roman emperors Constantine the Great, Diocletian, Julian the Apostate, and Theodosius

Answer: Diocletian, Constantine, Julian, Theodosius

b. Holy Roman emperors Charles V, Frederick Barbarossa, Henry IV, Otto I

Answer: Otto, Henry, Frederick, Charles

11. The "Metaphysical Club" at Harvard in the 1860s proved to be a seedbed for several future great American philosophers. For ten points each:

a. The Metaphysical Club laid the basis for which philosophical movement, emphasizing the idea that theories and beliefs are connected to practical outcomes?

Answer: pragmatism

b. Which Metaphysical Club member founded pragmatism, stating that "the meaning of an idea is to be found in its conceivable sensible effects?"

Answer: Charles Sanders Peirce

c. What other philosopher who taught for over thirty years at Harvard wrote the book *Pragmatism: A New Name for Some Old Ways of Thinking*?

Answer: William James

12. Identify these silicate minerals, 5-10-15.

a. This most abundant mineral on earth features trigonal-crystallized silica and has a Mohs hardness of 7.

Answer: quartz

b. This type of mineral, which occurs in many colors, consists of amorphous hydrated silica. Legend says it was discovered when a horse kicked up some pretty looking stones in Australia.

Answer: opal

c. The name of this mineral is derived from the Greek for a town in Asia Minor. Having a waxy luster, variants of this mineral include bloodstone, plasma, prase or sard.

Answer: chalcedony

13. For ten points each, answer these three questions about perhaps the most seminal novel in Chinese literature.

a. First, name the novel that documents the downfall of the nobleman Jia Baoyu, after he has an affair with his cousin Lin Daiyu.

Answer: The Dream of the Red Chamber (Hung lou meng; accept also The Story of the Stone or Shih-t'ou chi)

b. Next, during which Chinese dynasty was *The Dream of the Red Chamber* written?

Answer: Manchu (or Qing (CHING))

c. Finally, what man, whose family held the hereditary office of commissioner of imperial textiles under the Manchu dynasty, wrote the first 80 chapters of *The Dream of the Red Chamber*?

Answer: Cao Xueqin (shwe-chin) (or Ts'ao Hsueh Ch'in or Ts'ao Chan)

14. Five points for one, ten for two, twenty for three, and thirty for all four, given the capital of country, identify the world capital closest to it in distance. For example: given Buenos Aires, the answer would be Montevideo.

a. Helsinki

Answer: Tallinn (Estonia)

b. Paramaribo

Answer: Georgetown (Guyana)

c. Freetown

Answer: Conakry (Guinea)

d. Jakarta

Answer: Singapore

15. Given the next-to-last line(s) of a British poem, supply the last line for ten points each, OR you can earn five points if you know the name of the poem but not the last line.

a. "Now and in time to be, / Wherever green is worn, / Are changed, changed utterly:"

Answer: "A terrible beauty is born." [or "Easter, 1916" for five]

b. "And while ye may, go marry / For having lost put once your prime:"

Answer: "You may for ever tarry." (or "To the Virgins, to Make Much of Time" for five)

c. "At last he rose, and twitched his mantle blue:"

Answer: "To-morrow to fresh woods, and pastures new." (or "Lycidas" for five)

16. Identify these Romantic music pieces from descriptions for ten points each. If you need the composer, you will earn five points.

a. 10: This 1880 work, commemorating the Russian defeat of Napoleon, features the accompaniment of live artillery.

5: Peter Tchaikovsky

Answer: 1812 Overture

b. 10: Two sets of them were published, one in 1878 and the other in 1886, and both featuring versions for both piano duet and orchestra; the first set catapulted its composer to the world stage.

5: Antonin Dvorak

Answer: Slavonic Dances

c. 10: Subtitled "Little scenes on four notes," this 1835 work's movement titles include "Harlequin," "Paganini," and "Clara," while it concludes with the "March of the 'Davidsbundler' Against the Philistines."

5: Robert Schumann

Answer: Carnaval

17. For the stated number of points, answer these basic questions about the play *The Glass Menagerie*.

a. Five points for one and fifteen for both, name the author of *The Glass Menagerie* and the surname of the mother and two children portrayed in the story.

Answers: Tennessee Williams and Wingfield

b. For five points each, give the first names of the Wingfield children; the son escapes reality by watching movies, and the daughter withdraws into a make-believe world with her glass animals.

Answers: Tom and Laura Wingfield

c. For a final five, Laura briefly rejoins reality when the horn on which glass animal of hers breaks?

Answer: unicorn

18. Name these Mexican leaders for ten points each.

a. Following the deposal of the Emperor Maximilian in 1866, the Church and State struggled for control. This man, the namesake of a city in northern Mexico, emerged as the leader of the common people.

Answer: Benito Juárez

b. He succeeded Benito Juárez in 1872 and proclaimed himself a peace maker, but his later policies seemed to indicate otherwise. His oppressive rule ended in 1910 when he was forced into exile.

Answer: Porfirio Díaz

c. This man led an armed insurrection intended to end the rule of Porfirio Díaz. He was elected President in 1911, but the pressure from the revolutionaries and conservatives was too much and he was assassinated in 1913.

Answer: Francisco Madero

19. Given a specialty item, identify the chain restaurant that serves it for ten points each.

a. Jack Daniel's Glazed Ribs

Answer: T.G.I. Friday's

b. Never-Ending Pasta Bowl

Answer: The Olive Garden

c. Kilkenny's Country Chicken Salad

Answer: Bennigan's

20. Some of the foremost explorers of America were in fact American, like Lewis and Clark. Identify these three others for ten points each.

a. Known as "the Pathfinder," with the support of his father-in-law Thomas Hart Benton he surveyed the Oregon Trail up to the South Pass, and proved the existence of the Great Salt Lake.

Answer: John C. Frémont

b. A guide to John C. Frémont, this man trapped furs in the Rocky Mountains before settling down in New Mexico, distinguishing himself by repelling Confederate soldiers and arranging peace between the Mescalero Apache and Navajo.

Answer: Kit Carson

c. Killed in the War of 1812, this explorer was sent by General Wilkinson to search for the headwaters of the Arkansas River, but he got lost and attempted to scale a peak in southeastern Colorado.

Answer: Zebulon Pike

21. Figuring out the future and present values of money can be tricky if you do not have either a table or a calculator. Well, you'll have to do one such calculation just that way.

a. For fifteen points, if you have one million dollars at the present, how much money will you have in three years if interest is compounded annually at 5%? You have 20 seconds.

Answer: \$1,157,625

b. For ten points, if you invest that million dollars into a bank account at 6% annual interest, approximately how many years will it take for it to double?

Answer: 12 years

c. Were you able to come up with twelve years for the last answer? If so, you probably used, for five points, what double-approximating rule of interest?

Answer: Rule of 72 (accept Rule of 70)

22. Physicists are still searching in their laboratories for the "Holy Grail." For ten points each:

a. Name these theories that attempt to reconcile the strong interaction and the electroweak force. They also predict such topological aberrations as magnetic monopoles and proton decay.

Answer: Grand Unified Theories

b. This name is given to a theory that combines the Grand Unified Theories with the gravitational interaction. Examples of such proposed theories include string theory and M-theory.

Answer: The Theory of Everything

c. The Theory of Everything is a popular book by this British physicist.

Answer: Stephen Hawking