

Beaver Bonspiel IX Round 12

Packet by Adam Fine and Daniel Greenstein (II)

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4121105

Tossups

1. German missionaries Johannes Rebmann and Ludwig Krapf first sighted it in 1848. It contains three peaks: Shira, which is the eroded remains of a volcano; Mawenzi, first scaled in 1912 by Fritz Klute; and the tallest one, known as Kibo, which reaches a height of more than 19,000 feet. The Masai tribe lives on the lower part of, for ten points, what highest mountain in Africa?

Answer: Mount Kilimanjaro

2. This play may have originally been called "Love's Labours Won," according to a listing by an author in 1598. Based partly on one of the stories in the *Decameron*, it features the "bed trick," which results in Bertram sleeping with his wife when he thinks he's sleeping with Diana. Helena then gets to fulfill the King of France's decree by consummating her marriage with Bertram at the conclusion of, for ten points, which William Shakespeare comedy?

Answer: All's Well That Ends Well

3. She has a tracheotomy scar from a virus she contracted while an infant. The Yorkshire TV series "Darling Buds of May" brought attention to her in Britain, and she appeared in the films "Christopher Columbus: The Discovery" as Beatriz and "The Phantom" as Sala. But her role as Elena Montero Murrieta, containing a memorable swordfight, made her world-famous. For ten points, name this Welsh native, the star of "The Mask of Zorro," "Entrapment," and a bunch of T-Mobile cell phone ads.

Answer: Catherine Zeta-Jones

4. The Westminster Assembly of the 1640s established many of the particular standards found in this religious sect. Closely related to the Reformed Churches of continental Europe, it maintains many of the aspects of Calvinism, but the church itself is organized into national assemblies, and sessions at the lower level, led by ministers called elders. For ten points, what branch of Christianity with name derived from the Greek word for "elder" was founded in Scotland by John Knox?

Answer: Presbyterianism (or Presbyterian Church)

5. His mother, a Nestorian Christian named Sorghaghtani, worked hard to gain rule of the empire for him and his brothers. His mother's efforts succeeded, and his brother Mangu became head of the khaganate. After Mangu died on a military campaign in 1259, this man took control of the empire, and seized the Southern Song capital of Lin-an in 1276. For ten points, name the Mongol ruler who moved his capital from Karakorum to Beijing, founding the Yuan court that was visited by Marco Polo.

Answer: Kublai Khan (or Kubla Khan)

6. It was originally provided with docking facilities for blimps, and sits on the site of John Jacob Astor's mansion. Built for \$41 million, and designed by the architectural firm of Shreve, Lamb and Harmon, it was opened by Governor Al Smith and President Hoover in a ceremony, but much of its 2 _ million square feet of office space remained vacant in its first few years. For ten points, what building located at the corner of 34th Street and Fifth Avenue was the tallest building in New York City from 1931 to 1970 and from 2001 to the present?

Answer: Empire State Building

7. Examinations of cores at the requisite layer on the ocean floor show a record of flourishing marine life and then new and surviving species on the opposite sides of this boundary. Shocked quartz and microspherules have supported the hypothesis of Luis Alvarez, who in 1980 discovered an anomalous amount of iridium in the layer and suggested a comet impact led to the extinction of the dinosaurs. For ten points, name this geological dividing line that separates strata from the Cretaceous and Tertiary Periods.

Answer: K-T boundary

8. By the end of this battle, the *Agaki*, *Kaga*, *Soryu*, and *Hiryu* were destroyed, while Japanese submarines

sank the *Yorktown*. Even though Admirals Frank Jack Fletcher and Raymond Spruance gained critical data from American codebreakers, it proved to be a stalemate until 10:26 AM, when 54 U.S. *Dauntless* dive-bombers furiously bombed the Japanese fleet for five minutes. Admiral Yamamoto Isoroku then knew that his naval effort was in trouble after he lost, for ten points, what June 6, 1942 battle?

Answer: Battle of Midway

9. During World War II he worked with Frank Capra, producing training and Army indoctrination films. In 1951, he won an Academy Award for his animated cartoon *Gerald McBoing Boing*, while he got his start as a cartoon advertiser, even promoting an insecticide for Standard Oil of New Jersey. However, for ten points, name this man best known as an author of books designed to help children learn to read, such as *Horton Hears a Who* and *Green Eggs and Ham*.

Answer: Dr. Seuss (or Theodore Seuss Geisel)

10. The chemical bond with this name binds three atoms together with one delocalized electron pair. It is the last name of a former Zimbabwean president who was convicted of sodomy in 1998 and the pseudonymous first name of the Japanese author of *Kitchen*. For ten points, what type of fruit is found in pajamas in an Australian cartoon, is high in potassium, and is often curved and yellow?

Answer: banana

11. About one million of these patches exist in clusters in one particular endocrine gland. A German scientist discovered them in 1969, though not much is known about the PP and D1 cells. Delta cells produce somatostatin, a known inhibitor of many hormones. For ten points, Alpha cells produce glucagons and Beta cells produce insulin in which bodies found in the pancreas?

Answer: Islets of Langerhans

12. It can be either alternative, in which case the defendant can either comply immediately or appear in court to contest it, or peremptory, in which case the defendant must perform the act right away. For ten points, what writ issued by a superior court commands a corporation, private individual, public official, or lower court to perform a certain act?

Answer: Writ of mandamus

13. In the early part of the story, Rosa the Beautiful dies, causing her sister Clara del Valle (VIGH-ay) to go mute for nine years. Clara's silence ends when she announces that she will marry Esteban, a man she has foreseen in her visions. Clara gives birth to a daughter named Blanca, who later starts a long liaison with Esteban's foreman, and also to twin sons, Jaime (HIGH-may) and Nicolas. For ten points, this describes some of the plot of what 1982 novel, the first by Isabel Allende (eye-EN-day)?

Answer: The House of the Spirits (La Casa de los Espiritus)

14. Founded by Corinthian colonists in 734 BCE, it first achieved prominence when the tyrant Gelon defeated the Carthaginians at Himera in 480 BCE. After Gelon's brother Hiero I died, a democracy was established for 61 years, but prominent tyrants such as Dionysius the Elder returned to rule in the fourth century. For ten points, what city-state located on the east coast of Sicily was the site of the "Athenian Vietnam" during the Peloponnesian War, when Alcibiades's plan to conquer it was thwarted in 413 BCE?

Answer: Syracuse

15. These objects are used in computer graphics to represent the orientation in 3D space, and they can be represented by either 2 by 2 or 4 by 4 matrices. One day, the discoverer of these types of numbers was taking a walk when he suddenly thought of the expression $i^2 = j^2 = k^2 = ijk = -1$. For ten points, name these types of numbers that expand the complex numbers by two dimensions, represented by the form $a + bi + cj + dk$, discovered in 1843 by William Rowan Hamilton.

Answer: quaternions

16. In this work, the author argues that human beings have both a consciousness that allows them to create a personal self, and the ability to order perceptions. Subtitled "An Essay in Phenomenological Ontology," it also states that people make their own authentic choices because God is nonexistent. For ten points,

identify the 1943 philosophical treatise highly influenced by Husserl and Heidegger that expounds the existentialist ideas of Jean-Paul Sartre.

Answer: Being and Nothingness (*L'Être et le néant*)

17. While in Venice at age 24 he composed the opera "Agrippina;" the following year, he was named Kapellmeister to the elector of Hanover. That appointment proved critical, for after his opera "Rinaldo" premiered successfully in London in 1711, he moved there permanently. For ten points, what composer remained so connected to the future King George I that he composed "Water Music" for the king's 1717 party on the Thames?

Answer: George Frederic Handel

18. On May 18, Justice Henry Billings Brown delivered the majority opinion, declaring, "Courts were at liberty to act with reference to the established usages, customs, and traditions of the people." Ironically, the only dissenter was Kentucky former slaveholder John Marshall Harlan, who wrote that "our Constitution is color-blind, and neither knows nor tolerates classes among citizens." For ten points, what 1896 Supreme Court decision upheld a Louisiana segregation statute that provided for "separate but equal" facilities for whites and blacks?

Answer: Plessy v. Ferguson

19. The manuscript to his poem "The Spiritual Hunt" was lost during his travels across Europe and Africa. He stopped writing at age 20, but not before he published his "Sonnet of the Vowels," where he assigned each vowel a color, making it a key influential work for the Symbolists. For ten points, name the French author of "The Drunken Boat" and "A Season in Hell," a response to his tempestuous relationship with Paul Verlaine.

Answer: Arthur Rimbaud (RIM-bow)

20. British astronomer John Bevis discovered this celestial entity in 1731, while it was named in 1844, based on a drawing by Lord Rosse. Expanding at about 1800 kilometers per second, the object was discovered to be a strong emitter of x-rays in 1948, the result of a pulsar discovered in 1968. For ten points, Charles Messier made what object the first in his catalog, the result of a supernova first seen on Earth on July 4th, 1054 found not in Cancer but near Taurus?

Answer: Crab Nebula

21. Woman suffrage pioneer Lydia Child was a member of the group, as was Clement Moore, the author of "'Twas the Night Before Christmas." Lewis G. Clark published a magazine of the same name that published group members' works, with contributions by William Cullen Bryant and James Fennimore Cooper. For ten points, what literary school which flourished in early nineteenth century New York City was named after a pseudonym of one of its founders, Washington Irving, and did not include Patrick Ewing?

Answer: Knickerbocker Group (or School)

22. They consisted of two acts proposed at a convention in September 1935. Under them, German maids under the age of 45 could not work in Jewish households, Jews were not allowed to raise the German flag, and any person with three Jewish grandparents was considered an inferior "subject of the state." For ten points, identify the early Nazi laws designed to exclude Jews from German society.

Answer: Nuremberg Laws

23. A fraternity pledge survives Hell Week, but then discovers that all the frat members do is drink beer and play cards every night. A man asks the woman he thinks he loves to marry him, but then wonders if she only wants to be with him for his money. A customer buys a Lexus with some great options, but feels bad because he may have paid too much. These are all examples of, for ten points, what two-word post-decision behavior pattern first stated by psychologist Leon Festinger?

Answer: cognitive dissonance

24. It uses up 130 watts of power dissipation and has 221 million transistors - potentially making it faster

than any other of its kind designed to date. However, would-be customers such as Google are concerned that it will consume too much costly electricity, and have refused any offers to buy it. For ten points, identify this second version of a 64-bit chip that may prove to be a business disaster for partners Hewlett-Packard and Intel.

Answer: Itanium 2

25. The Bohr theory of the atom described this effect for hydrogen. Discovered in 1913 by the namesake German physicist, it can also be understood in terms of the classical electron theory of Lorentz. Furthermore, it regards the triggering mechanism as a perturbation on the quantum states and energy levels of an atom in the absence of the electric field. For ten points, name this effect, the splitting of atomic spectral lines as a result of a strong, externally applied electric field.

Answer: Stark effect

Bonuses

1. Identify the following statistical probability distributions for ten points each.

a. Named for a Frenchman, in this distribution the probability of k discrete events occurring is $e^{-\lambda} \lambda^k / k!$ [e to the negative lambda times lambda to the k , divided by k factorial], where lambda is an expected number of events to occur in an interval.

Answer: Poisson (pwah-SOHN) distribution

b. This distribution is the source of the bell curve. Sixty-eight percent of the area under the curve is within one standard deviation of the mean.

Answer: normal (or Gaussian) distribution

c. This discrete probability distribution describes the number of successes in a sequence of k independent or Bernoulli experiments, each of which yields a constant success rate p .

Answer: binomial distribution

2. The most recent Ryder Cup singles matches featured some world-class choke jobs by several top Americans. FTP each:

a. What left-handed golfer, ranked #2 in the world, took a surprising 3&2 loss to a journeyman?

Answer: Phil Mickelson

b. Name the 118th-ranked Welshman who upset Phil Mickelson.

Answer: Phillip Price

c. What Swede, sans his trademark upturned cap, played to a draw with Tiger Woods, perhaps exacting a little revenge for Tiger dating his former nanny?

Answer: Jesper Parnevik

3. Time for some basic accounting fun!

a. First, in the general accounting balance sheet, assets must equal the sum of, for five points each, what two other groups of accounts?

Answers: liabilities; owners' (or stockholders') equity

b. Accumulated depreciation for a building, and the uncollectible account allowance for accounts receivable are two examples of, for ten points, what type of account that takes the opposite debit-credit effect of the main account?

Answer: contra account

c. For a final ten points, which financial statement totals up revenues and expenses, and is closed at the end of the accounting period?

Answer: income statement

4. "Watergate! Watergate! Nixon's going to jail!" While young Mallory Keaton's prediction did not come true, see if you can name some of these men who did go to jail in the aftermath of Watergate, 5-10-15.

a. This man, now a popular Conservative radio host, spent five years in the slammer for proposing the Watergate break-in while counsel for the Committee to Reelect the President (CREEP).

Answer: G. Gordon Liddy

b. He served 18 months of a 2_ to 8-year term for his role in the cover-up as White House Chief of Staff.

Answer: H.R. (Bob) Haldeman

c. A spy thriller writer, this man actually directed the burglars at Watergate, and later accepted \$75,000 from the Nixon administration to keep quiet. For his deeds, he served 32 months in jail.

Answer: E. Howard Hunt

5. Bad things happened to kings of a certain city in ancient Greek plays.

a. For ten points each, name the play by Euripides (yer-IP-uh-deez) that features a king who disses the god Dionysus, only to be torn to shreds by a lunatic band of women led by his mother Agave, and also name the king.

Answers: "The Bacchae" (BOK-eye); Pentheus

b. For five points each, name the Sophocles (SAHF-oh-cleez) play that features a king who blinds himself after finding out that he has been shacking up with his mother Jocasta, and also the city where both the title character and Pentheus of "The Bacchae" reigned.

Answers: Oedipus Rex (or Oedipus Tyrannos or Oedipus the King); Thebes

6. Given a constellation, name its brightest star for five points each.

a. Orion

Answer: Betelgeuse

b. Scorpius

Answer: Antares

c. Auriga

Answer: Capella

d. Canis Minor

Answer: Procyon

e. Cygnus

Answer: Deneb

f. Virgo

Answer: Spica

7. 30-20-10 name the poet:

30: He has a penchant for writing poems targeted against world leaders, such as "Tentative Description of a Dinner Given to Promote the Impeachment of President Eisenhower" and "One Thousand Fearful Words for Fidel Castro."

20: In 1955 his City Lights press published his first poetry collection, *Pictures of the Gone World*.

10: A San Francisco paperback bookstore owner, his work *A Coney Island of the Mind* is emblematic of the Beat Movement.

Answer: Lawrence Ferlinghetti

8. Answer these questions about Jomo Kenyatta and his rule as president of Kenya for the stated number of points.

a. For five points each, name the rebellion that allowed Kenyatta to take control of Kenya by 1964, and the tribe to which Kenyatta belonged.

Answers: Mau Mau rebellion; Kikuyu

b. For ten points for one or fifteen for both, identify the major rival tribe to the Kikuyu, and also the co-founder of KANU who served as minister of labor, justice, and economic planning under Kenyatta before he was assassinated in 1969.

Answers: Luo tribe; Tom Mboya (muh-BOY-ah)

c. For a final five, name the five-term current president of Kenya who succeeded when Kenyatta died in 1978.

Answer: Daniel arap Moi (MAY)

9. "Be all you can B" by identifying these jazz musicians of the early twentieth century for ten points each.
a. He earned his nickname from a local Kansas City radio station, after he took over a band when Benny Moten died. A piano student of Fats Waller, his band's most popular song was "One O'clock Jump."

Answer: William "Count" Basie

b. Perhaps the greatest white jazz musician of his era, this cornetist also wrote the piano piece "In a Mist," but died at 28 due to poor nutrition and alcoholism.

Answer: Bix Biederbecke (BY-dur-bek)

c. This former ragtime pianist co-wrote the musical "Shuffle Along" with Nobel Sissle, while "I'm Just Wild About Harry" was one of his popular show tunes.

Answer: James Hubert "Eubie" Blake

10. Identify these garments worn by Jewish men at services, 5-10-15.

a. Called a *kippa* in Hebrew, all Jewish men and boys wear this skullcap in the synagogue on Saturdays.

Answer: yarmulke

b. The rabbi, cantor, and most Orthodox Jewish men wear this prayer shawl, which contains fringes on the bottom called *tzitzit*.

Answer: tallis (or talith or talit)

c. Also called phylacteries, they are two black boxes containing passages from Exodus and Deuteronomy. One is worn on the forehead, while the other is worn on the non-writing hand.

Answer: tefillen

11. Identify these physicists who shared the 1966 Enrico Fermi Prize for ten points.

a. His discovery of nuclear fission earned him the 1944 Nobel Prize in physics. Later in his life, as president of the Max Planck society, he spoke out against nuclear weapons proliferation.

Answer: Otto Hahn

b. With her nephew Otto Frisch, she explained the physical characteristics of the nuclear reaction in which barium appears in neutron-bombarded uranium.

Answer: Lise Meitner

c. Unlike Hahn and Meitner, this man has not yet had an element named after him. He developed the rubidium-strontium method of dating used in geochronology in addition to assisting Hahn and Meitner in their travails in exploring nuclear fission.

Answer: Fritz Strassmann

12. The Fronde was a response by nobles and the bourgeoisie against high tax policies by the Regency monarchy.

a. For five points each, name Louis XIV's mother, who served as his regent, and also the hated minister who continued many of the tax laws of his predecessor, Richelieu.

Answers: Anne of Austria; Cardinal Mazarin

b. For ten points, both *parlement* and the princes resented the power given to which financial administrators, many of them abolished during the Fronde?

Answer: intendants

c. For a final ten points, what was the name of the "prince" who attempted to set up a dictatorship over France in 1652 before he was defeated and fled to Spain?

Answer: Prince Louis II de Condé (kohn-DAY; accept either name, but "II" definitely needed for first name)

13. Answer these questions about characters in a famous Mark Twain novel, 5-10-15.

a. For five, in perhaps the book's most famous side story, this title character has to whitewash a fence, but tricks his friends into doing the work for him.

Answer: Tom Sawyer

b. For ten, Tom and Huck witness a murder committed by this man, who later hides in a cave where Tom and Becky Thatcher get lost.

Answer: Injun Joe

c. For fifteen, what innocent man goes on trial for the murder that Injun Joe committed, but is saved by Tom's testimony in the courtroom?

Answer: Muff Potter (accept either name)

14. 30-20-10 identify the body of water:

30: Sleeping Bear Dunes can be found along its shore, while it surrounds Beaver Island, which was the site of a Mormon colony.

20: Discovered by Jean Nicolet of France, its indentations include the Grand Traverse, Little Traverse, and Green Bays.

10: It empties into Lake Huron through the Strait of Mackinac, and the Kalamazoo River drains into it.

Answer: Lake Michigan

15. Answer these questions about a theory for ten points each.

a. This theory proposes that the entire biological mass of the Earth functions as a massive organism that actively modifies its planet to produce the environment that satisfies its needs.

Answer: Gaia hypothesis (or Gaia theory)

b. This British scientist first put forth the Gaia hypothesis in 1969; he also produced many inventions NASA used in their program of planetary exploration.

Answer: James Lovelock

c. This American biologist and first wife of Carl Sagan was the co-developer of the Gaia hypothesis with James Lovelock and later modified it. She also proposed the endosymbiont hypothesis regarding the origin of mitochondria.

Answer: Lynn Margulis

16. Name these films directed by Elia Kazan for ten points each.

a. Warren Beatty and Natalie Wood starred in this 1961 flick based on a William Inge play, in which Deanie Loomis' love for Bud Stamper drives her to madness.

Answer: Splendor in the Grass

b. Longshoreman and ex-prize fighter Terry Malloy attempts to stand up to his corrupt union bosses in this 1954 film.

Answer: On the Waterfront

c. This film set in New York explores the lives of the Nolan family, who enjoy life despite Papa's alcoholism, Francie's desire to attend a better school, Aunt Sissy's scandalous affairs and the removal of the titular object.

Answer: A Tree Grows in Brooklyn

17. Answer the following questions about the 1932 novel *Brave New World*, for the stated number of points.

a. For five, who wrote it?

Answer: Aldous Huxley

b. For five, give the name of the "Savage" from New Mexico who learns about civilization by reading the Complete Works of Shakespeare.

Answer: John the Savage

c. For ten, name the woman who at various times in the novel tries to sleep with John the Savage, but gets beaten and whipped by John.

Answer: Lenina Crowne (accept either)

d. For ten, give the designation for the absolute lowest caste of cloned morons in *Brave New World*, sewage workers who may not even be capable of running CBI Regionals.

Answer: Epsilon Minus (prompt on "epsilon")

18. Nineteenth-century British workers had a lot to complain about. For ten points each:

a. Name the political reform movement started in 1838 by the London Industrial Working Men's Association, who drafted a plan calling for universal male suffrage, abolition of property requirements for Parliament, and payment for Parliament members.

Answer: Chartism (or Chartists)

b. Name the group of British workers who hated technology and took to destroying knitting machines directly. The government didn't like this much, and hanged fourteen of them in 1813.

Answer: Luddites

c. In Manchester in 1839, John Bright and Richard Cobden formed a league to oppose what group of restrictive import and export legislation?

Answer: Corn Laws

19. Given a challenger, identify the incumbent Senator who is his or her opponent, for fifteen points each, or for five if you need the state which the incumbent represents:

a. 15: James Talent

5: Missouri

Answer: Jean Carnahan

b. 15: Mike Pryor

5: Arkansas

Answer: Tim Hutchinson

20. Identify the authors of these American short story collections for ten points each.

a. Winesburg, Ohio

Answer: Sherwood Anderson

b. The Magic Barrel

Answer: Bernard Malamud

c. Tales of the South Pacific

Answer: James Michener

21. Given the American rebellion, identify the state (or colony) and the year in which it took place, for five points each, ten points per pair.

a. Dorr's Rebellion

Answers: Rhode Island; 1842

b. Whiskey Rebellion

Answers: Pennsylvania; 1794

c. Bacon's Rebellion

Answers: Virginia; 1676

22. Identify these things related to a carcinogen for ten points each.

a. Name this simplest aromatic hydrocarbon that has been shown to cause leukemia.

Answer: benzene

b. In 1865, this scientist proposed benzene's structure after he dreamt of a snake eating its own tail.

Answer: Friedrich August Kekule (keh-KOOL-ay)

c. This rule, named for an American scientist, states a monocyclic system will be aromatic if it has $4n + 2$ delocalized electrons.

Answer: Huckel's Rule

23. 30-20-10-5 identify the item:

30: It originated when the cloud-goddess Nephele sent it to save her son Phrixus and her daughter Helle, who unfortunately fell off of it and fell into what is now known as the Hellespont.

20: Phrixus took it to Colchis, where it was guarded in the field of Ares by a sleepless dragon. King Aeetes would not give it up unless a hero could yoke fire-snorting bulls in order to plow a field with dragon's teeth.

10: After the hero succeeded in these tasks, the king's daughter Medea helped him get the valuable treasure by drugging the dragon to sleep.

5: The hero who won the prize was Jason, captain of the *Argo*.

Answer: golden fleece

24. Identify these various types of psychotherapy, 5-10-15.

a. Electroconvulsive therapy, or ECT, is a specific type of what therapy intended to relieve depression or schizophrenia by inducing convulsions or a coma?

Answer: shock therapy (accept ``electroshock therapy")

b. Carl Rogers developed what type of therapy, where the psychiatrist listens to the patient but does not give advice?

Answer: client-centered therapy

c. Another specific type of shock therapy uses injections of what hormone that deoxygenates the blood enough to produce convulsions?

Answer: insulin