

2013 Fall Kickoff Tournament – Round 2

1. In 2012, researchers at Case Western Reserve University announced a potential to cure this condition using the cancer drug Bexarotene. Sufferers of this condition experience a buildup of beta amyloid plaques, and debate has long occurred over whether consumption of aluminum contributes to this disease. Most people afflicted with Down syndrome develop the “early onset” form of this disease first identified by a namesake German doctor. For 10 points, name this form of dementia most often characterized by memory loss in the elderly.

ANSWER: **Alzheimer**’s disease

BONUS: For 10 points each, name the following related to the mythical King Arthur.

[10] According to legend, King Arthur established the Round Table at this castle which served as the capital of his kingdom.

ANSWER: **Camelot**

[10] King Arthur was fathered by this man through Igraine after the death of the latter’s husband, Gorlois.

ANSWER: **Uther** Pendragon

[10] According to one legend, King Arthur receives Excalibur from this figure after breaking the sword in the stone during a fight with King Pellinore.

ANSWER: **Lady of the Lake** [accept **Elaine** or **Evienne** or **Niniane** or **Nimue** or **Nyneve** or **Viviane**]

2. One of this man’s works has been performed at every British coronation since it was written. That work is titled *Zadok the Priest*. This composer also wrote many keyboard suites, including *The Harmonious Blacksmith*, and he wrote a work commemorating the end of The War of the Austrian Succession. Another of his works features a “Hornpipe” section, and was written to be played on the royal barge. In addition to his *Music for the Royal Fireworks* and *Water Music*, he wrote an oratorio that contains a popular “chorus” sung around Christmastime. For 10 points, name this German born composer whose *Messiah* contains the “Hallelujah Chorus.”

ANSWER: George Frideric **Handel**

BONUS: This poem begins “April is the cruellest month” and ends with the Sanskrit mantra “Shantih, shantih, shantih.” For 10 points each:

[10] Name this poem consisting of five sections, including “A Game of Chess”, which contains the refrain “HURRY UP PLEASE IT’S TIME”.

ANSWER: “The **Waste Land**”

[10] “The Waste Land” was written by this poet who also penned “The Love Song of J. Alfred Prufrock” and “Ash Wednesday.” He is also known for his play *Murder in the Cathedral*.

ANSWER: Thomas Stearns **Eliot** [or T. S. **Eliot**]

[10] This other poem by Eliot is famous for its last stanza, of which the last two lines are “This is the way the world ends/ Not with a bang but a whimper.”

ANSWER: “The **Hollow Men**”

3. This man led his country through an economic crisis that he proclaimed the “Special Period in Time of Peace.” Prior to gaining power, he led revolutionaries in an expedition aboard the *Granma*. This leader noted that “history will absolve me” after attacking the Moncada Barracks, which inspired the name of his “26th of July Movement.” Shortly after taking power by overthrowing Fulgencio Batista, this leader was targeted by the C.I.A.-backed Bay of Pigs Invasion. For 10 points, name this former world leader who was succeeded in 2008 by his brother Raul as President of Cuba.

ANSWER: Fidel Alejandro **Castro** Ruz [prompt on “Castro”]

BONUS: For 10 points each, name these fields of mathematics.

[10] This field of math, which has differential and integral branches, is dubbed the study of change.

ANSWER: **Calculus**

[10] This oldest branch of mathematics is the study of quantity, and involves operations such as addition, subtraction, multiplication, and division.

ANSWER: **Arithmetic**

[10] This branch of math concerns the study of vector spaces in any number of dimensions. It involves the extensive use of vectors and matrices, which can be used to solve for unknowns in systems of equations.

ANSWER: **Linear algebra** [do not accept or prompt on “algebra”]

4. One property of this entity can be measured by using the Suits index. Henry George is best known for advocating elimination of all but one of these entities of the *ad valorem* variety. Activities that produce negative externality are often subject to the Pigovian form of this entity, which is plotted against government revenue on the Laffer curve. All but five U.S. states currently impose the sales form of, for 10 points, what economic entity which is often levied on property and income to raise money for government?

ANSWER: **taxes** [or **taxation**]

BONUS: For 10 points each, name these things related to notable events in the history of Boston.

[10] Boston was the first American city to have one of these. Other notable ones have nicknames like “The Tube” and the most used one in the world is in Moscow.

ANSWER: **Subway** [accept equivalents]

[10] On January 15, 1919, a large tank of this substance exploded and sent a ten foot high wave through the city at thirty-five miles per hour, killing twenty-one and injuring one hundred fifty more.

ANSWER: **Molasses**

[10] This 1773 event was a protest to an act passed by Parliament on the namesake substance. Members of the Sons of Liberty dressed as Mohawk Indians dumped the substance into the harbor.

ANSWER: **Boston Tea Party**

5. In one of this author's novels, Harvey Birch is accused of working for the British despite actually working for the Americans. That novel, *The Spy*, helped launch this man's career. In another novel by this man, the evil Magua kills Cora Munro and her rescuer, who is the title character. That novel is part of a series of five books that features a man sometimes known as the Deerslayer and his Indian partner. In that series by this man, the Indian named Uncas is Cora's attempted rescuer, who is the son of Hawkeye's Indian partner Chingachgook. For 10 points, name this author of the *Leatherstocking Tales*, which contains *The Last of the Mohicans*.

ANSWER: James Fenimore Cooper

BONUS: This speaker of this work mentions a "song from tongues of lilting grace, whose sounds caress my ear."
For 10 points each:

[10] Name this 1975 song off the album *Physical Graffiti* which compares the title location to "my Shangri-La beneath the summer moon."

ANSWER: "Kashmir"

[10] This other song by the same band behind "Kashmir" begins by noting that "there's a lady who's sure all that glitters is gold." The song goes on to mention that lady's attempt to buy the title conveyance.

ANSWER: "Stairway to Heaven"

[10] "Kashmir" and "Stairway to Heaven" are two of the best known songs by this English rock band whose members included Jimmy Page and Robert Plant.

ANSWER: Led Zeppelin

6. This theory was used to explain a rotation known as Thomas precession. This theory exists within Minkowski space, and it gives rise to a phenomenon known as Lorentz contraction. First explained in the third of the *Annus Mirabilis* papers, this theory gave rise to the twin paradox, which occurs due to time dilation. Another consequence of this theory is the mass-energy equivalence, which is expressed as $E=mc^2$ ("E" equals "M" "C" squared). The speed of light is the same in all reference frames according to, for 10 points, what theory explained by Albert Einstein ten years before its "general" counterpart?

ANSWER: special relativity [also accept special theory of relativity; prompt on "relativity"; do not accept or prompt on "general relativity"]

BONUS: In the background of this painting, a woman looks downward and dips her bucket into the stream. For 10 points each:

[10] This painting depicts a basket overflowing with food onto a blue dress in the bottom left corner, while in the foreground two fully dressed men sit next to a nude woman who looks directly at the viewer.

ANSWER: Luncheon on the Grass [or Le déjeuner sur l'herbe]

[10] *Luncheon on the Grass* is a work by this French painter who also painted *The Balcony*, *A Bar at the Folies-Bergères*, and *Olympia*.

ANSWER: Edouard Manet [do not accept "Claude Monet"]

[10] Edouard Manet was a member of this art movement often characterized by an emphasis on lighting and movement.

ANSWER: Impressionism [accept word forms]

7. One landmark within this city was damaged in the Black Tom Explosion. In 1911, Isaac Harris and Max Blanck were fined after a fire at the Asch Building killed one hundred forty-six garment workers in this city. Boss Tweed once led Tammany Hall from this city, which was home to the largest draft riot during the American Civil War. This city was originally known as New Amsterdam. In 2001, the two tallest buildings in this city were destroyed in the 9/11 attacks. For 10 points, name this most populous American city.

ANSWER: New York City

BONUS: For 10 points each, name the following about a popular 20th century American work.

[10] This novel, whose sequel is *Closing Time*, recounts Captain John Yossarian's experiences during the Italian Campaign of World War II.

ANSWER: Catch-22

[10] The majority of *Catch-22* takes place on this island, the location of Yossarian's bomber squadron base.

ANSWER: Pianosa

[10] This character is a mess officer who becomes consumed in profiting from the war. His syndicate becomes known as M&M Enterprises, of which "everyone has a share."

ANSWER: Milo Minderbinder [accept either answer]

8. The northeast part of this nation is home to hundreds of thousands of cave drawings within the Camonica Valley. The easternmost point in this nation is located on the Salentine Peninsula, which lies west of the Strait of Otranto. Traveling south through the Brenner Pass grants access to this nation, the backbone of which is formed by the Apennine Mountains. The nation of San Marino is located entirely within this country, which contains Mount Etna on the island of Sicily. For 10 points, name this European nation whose capital is Rome.

ANSWER: Italy [also accept Italian Republic or Repubblica Italiana]

BONUS: For 10 points each, name these phyla within the animal kingdom.

[10] All mammals are classified within this phylum whose members are characterized by the existence of a dorsal nerve cord.

ANSWER: Chordata [or Chordates]

[10] Members of this phylum, which include sea urchins and starfish, possess water vascular systems and are radially symmetric.

ANSWER: Echinodermata [or Echinoderms]

[10] A gelatinous matrix known as mesohyl separates the pinacoderm and choanoderm layers that make up the members of this phylum more commonly called sponges.

ANSWER: Porifera

9. In one work by this author, Angela Vicario and her family leave town after Angela's twin brothers murder Santiago Nasar for allegedly taking her virginity. In a novel by this author, the death of Dr. Juvenal Urbino rekindles the fifty year love between his widow, Fermina Daza, and her childhood lover, Florentino Ariza. This author's best known novel is set in the city of Macondo and follows multiple generations of the Buendia family. For 10 points, name this Nobel Prize winning Colombian author of *Chronicle of a Death Foretold*, *Love in the Time of Cholera*, and *One Hundred Years of Solitude*.

ANSWER: Gabriel Jose de la Concordia Garcia Marquez [prompt on partial answer]

BONUS: For 10 points each, answer these questions about Mesoamerican civilizations.

[10] This civilization on the Yucatan had a number system based on twenty and a calendar known as the Long Count that some interpreted to predict that the world would end in the year 2012. It should be noted that the world has failed to do so.

ANSWER: Mayan Civilization

[10] This civilization is held by many to be the oldest in Mesoamerica. It is famous for its jade sculpture, stone masks, and gigantic head statues.

ANSWER: Olmeccs Civilization

[10] This lesser known mesoamerican civilization was the most direct predecessor of the Aztecs. They are famous for their well preserved capital at Tula.

ANSWER: Toltecs Civilization

10. Near the end of this film one character buys a bus ticket to Fort Hancock, Texas after visiting the town of Buxton to dig under an obsidian rock. The alias Randall Stevens is invented by another character in this film who founds a library named after Brooks Hatlen. A poster of Rita Hayworth is given as a gift to the protagonist of this film, which ends on a beach in the Mexican town of Zihuatanejo ("see" – HWAH – tuh – nay – "hoe"). Andy Dufresne ("due" – FRANE) is falsely charged with the murder of his wife in, for 10 points, what 1994 film in which Morgan Freeman plays Red, a longtime resident of the title prison?

ANSWER: *The Shawshank Redemption*

BONUS: For 10 points each, name these ancient Stoic philosophers.

[10] This native of Citium founded the philosophy of Stoicism, which he began teaching in Athens at the turn of the third century B.C.

ANSWER: Zeno of Citium

[10] This second century A.D. Roman Emperor was well known for his Stoic beliefs, which he espoused in his philosophic work *Meditations*.

ANSWER: Marcus Aurelius Antoninus Augustus [prompt on partial answer]

[10] This so-called "Second Founder of Stoicism" developed his own system of propositional logic. One account of this man's death states that he died of laughter after feeding wine to a donkey.

ANSWER: Chrysippus of Soli

HALFTIME – Announce the score and allow teams to substitute

11. It is not Mercury, but in 1998, it was discovered that this body produces a tail composed of sodium atoms. This object's lowest point is within the Aitken basin, and a widely accepted theory proposes that it was created in the "Big Splash." Approximately one sixth of its surface is comprised of basaltic plains known as maria, one of which is known as the Sea of Tranquility. Earth's tides are caused primarily by the gravitational effects of, for 10 points, what heavily cratered celestial body visited by the Apollo missions?

ANSWER: Earth's **moon**

BONUS: Isaac Trimble and J. Johnston Pettigrew led two of the three divisions involved in this military maneuver. For 10 points each:

[10] Name this July 3, 1863 assault that failed to capture Cemetery Ridge from Winfield Scott Hancock.

ANSWER: **Pickett's Charge**

[10] Pickett's Charge took place on the final day of this bloodiest Civil War battle, which took place in southern Pennsylvania.

ANSWER: Battle of **Gettysburg**

[10] Much of the blame for both the failure of Pickett's charge and the Confederate loss at Gettysburg was attributed to this corps commander who was later wounded by his own men at the Battle of the Wilderness.

ANSWER: James **Longstreet**

12. A harp decorated with an eagle's head lies at the bottom of a sculpture of this figure commissioned by Scipione Borghese. In 1991, a hammer was used to deface another sculpture of this figure that originally adorned the Palazzo Vecchio. This figure is the subject of the first free-standing bronze sculpture since antiquity, in which he wears only boots and a hat while standing atop a severed head. A seventeen foot high marble statue of this man includes a sling draped over his left shoulder. For 10 points, Verrocchio, Donatello, and Michelangelo created sculptures of what Biblical king who slayed Goliath?

ANSWER: **David**

BONUS: For 10 points each, name these Asian rivers.

[10] The longest river within Asia is this Chinese river which flows through the Three Gorges Dam before emptying into the East China Sea near the city of Shanghai.

ANSWER: **Yangtze** River [accept **Chang Jiang**]

[10] Part of the border between Laos and Thailand is formed by this river which forms a delta in southern Vietnam.

ANSWER: **Mekong** River [accept **Meigong** River]

[10] The cities of Sinuiju and Dandong lie near the mouth of this river which forms much of the border between China and North Korea. This river also names the first major land battle of the Russo-Japanese War.

ANSWER: **Yalu** River [accept **Amrok** River or **Amrok** River]

13. One character in this work is mockingly asked if he is going to a wedding after he is seen carrying several branches of cherry blossoms. Gerard Duval is killed by the protagonist of this work, which features two characters sharing a bunk bed as part of a bed-wetting cure devised by Himmelstoss. A pair of boots that were worn by the deceased Muller and Kemmerich are obtained by the protagonist, Paul Baumer, who is ultimately killed on a day that is described in an Army report with the title phrase. For 10 points, name this anti-war novel by German author Erich Remarque.

ANSWER: **All Quiet on the Western Front**

BONUS: For 10 points each, name the following related to the atomic nucleus.

[10] Protons and neutrons, which comprise the atomic nucleus, are members of this class of particles comprised of three quarks.

ANSWER: **baryons**

[10] This fundamental force is what holds the atomic nucleus together?

ANSWER: **strong** interaction [also accept **strong** nuclear force or **color** force; prompt on "nuclear force"]

[10] The discovery of the nucleus disproved this theory of the atomic model posited by J. J. Thompson which consisted of negatively charged electrons suspended in a uniformly positive sphere.

ANSWER: **plum pudding** model [prompt on partial answer]

14. Two figures in this work tear their clothes in protest after being called Hermes and Zeus by a crowd in the city of Lystra. One chapter of this book focuses on a sermon given at the Areopagus. This book ends by recounting one figure's journey to Rome, which includes a shipwreck off the coast of Malta. This book describes the stoning of Stephen at the hands of a man who is later converted while traveling to Damascus. The Ascension of Jesus occurs early in, for 10 points, what book of the Bible that recounts the deeds of Jesus' twelve closest followers?

ANSWER: **Acts** of the Apostles

BONUS: This work is divided into six marches that were originally intended for military use. For 10 points each:

[10] Name this work that is played at graduation ceremonies and has a title that comes from scene three of *Othello*.

ANSWER: **Pomp and Circumstance**

[10] *Pomp and Circumstance* is by this British composer of *Three Bavarian Dances* and *Dream of Gerontius*.

ANSWER: Edward **Elgar**

[10] Elgar also composed this orchestral work which consists of fourteen distinct movements including "R.P.A." and "Nimrod."

ANSWER: **Enigma Variations** [also accept **Variations on an Original Theme** or Elgar's **Op.36**]

15. This ruler agreed to a peace with Danish King Hemming in the Treaty of Heiligen. He began his reign as a co-ruler with his brother Carloman I and spent over thirty years waging war against the Saxons. In one campaign, he was defeated by the Basques at the Battle of Roncevaux Pass, which inspired *The Song of Roland*. The empire he amassed was bestowed to three of his grandsons in the 843 Treaty of Verdun. For 10 points, name this oldest son of Pepin the Short whom Pope Leo III crowned Holy Roman Emperor on Christmas Day 800.

ANSWER: Charlemagne [also accept Charles the Great or Charles I or Carolus Magnus; prompt on “Charles” or “Carolus”]

BONUS: The protagonist of this story is put on display with Montana Wildhack after being abducted and taken to the planet Tralfamadore. For 10 points each:

[10] Name this 1969 satirical novel focusing on the life of Billy Pilgrim, who survives the firebombing of Dresden while hiding in the title location.

ANSWER: Slaughterhouse-Five, or *The Children’s Crusade: A Duty-Dance with Death*

[10] *Slaughterhouse-Five* was written by this American author of *Cat’s Cradle*.

ANSWER: Kurt Vonnegut Jr.

[10] In this novel, which was Vonnegut’s first, Paul Proteus leads the Ghost Shirt Society in a rebellion against a machine-based world.

ANSWER: Player Piano

16. The Wohlwill process is used to refine the purest form of this element, which is used in small concentrations to produce the color of ruby red glass. This metal combines with silver to form the alloy electrum, and along with platinum, it can be dissolved by aqua regia. This most malleable metal is sometimes confused with the mineral pyrite. Ernest Rutherford discovered the atomic nucleus after firing alpha particles at a thin sheet of this metal. For 10 points, name this precious metal with atomic number 79 and symbol Au (“A” – “U”).

ANSWER: gold

BONUS: This military leader’s final victory came at the Battle of Gergovia. For 10 points each:

[10] Name this Arverni chieftain who was executed in 46 BC, six years after being defeated and captured at the Battle of Alesia.

ANSWER: Vercingetorix

[10] Vercingetorix led the Gauls in an unsuccessful war against this famed Roman leader who was ultimately assassinated on the Ides of March, 44 BC by a group that included Brutus.

ANSWER: Gaius Julius Caesar [prompt on partial answer]

[10] Julius Caesar was a member of the First Triumvirate along with Crassus and this wealthy nobleman who later lost to Caesar at the Battle of Pharsalus, which resulted in his flight to and assassination in Egypt.

ANSWER: Pompey the Great [or Gnaeus Pompeius Magnus]

17. The bottom right corner of one painting by this artist depicts a distraught figure embracing a man wearing soiled underwear. In another work, this artist of *The Lugubrious Game* depicted a sleeping, nude woman about to be attacked by two tigers, one of which springs from the mouth of a fish. Dozens of *Venus de Milo* sculptures appear within a bullfighting arena in his painting *The Hallucinogenic Toreador*. His best known painting features an orange timepiece covered by ants as well as three melting clocks. For 10 points, name this Spanish Surrealist who painted *The Persistence of Memory*.

ANSWER: Salvador Domingo Felipe Jacinto **Dali** i Domenech

BONUS: For 10 points each, name the following related to the second law of thermodynamics.

[10] According to the second law of thermodynamics, this measure of a system's disorder is always increasing in an isolated system.

ANSWER: **entropy**

[10] It was posited that the second law of thermodynamics could be violated according to this thought experiment, in which a namesake creature selectively allows the passage of particles through a trapdoor between two chambers.

ANSWER: **Maxwell's demon** [prompt on partial answer]

[10] The second law of thermodynamics is also violated according to a paradox named after this American scientist who also names a type of energy measuring the maximum amount of useful work that can be obtained from a system.

ANSWER: Josiah Willard **Gibbs** [also accept **Gibbs** paradox or **Gibbs** free energy]

18. The speaker of one poem by this author notes how "the moon never beams, without bringing me dreams" of the title figure. In another work by this author, Madame L'Espanaye and her daughter are revealed to have been killed by an orangutan by the investigator C. Auguste Dupin. The narrator of his best known poem laments the loss of a lover named Lenore when he notices the title creature, whose only spoken word is "nevermore." For 10 points, name this author of "Annabel Lee," "The Murders in the Rue Morgue," and "The Raven."

ANSWER: Edgar Allan **Poe**

BONUS: Florence Owens Thompson was the subject of this woman's best known work. For 10 points each:

[10] Name this artist who symbolized the Great Depression with her depiction of three small children huddled around their *Migrant Mother*.

ANSWER: Dorothea **Lange**

[10] Dorothea Lange worked in this artistic medium used by Matthew Brady in his documentation of the Civil War.

ANSWER: **photography** [accept word forms]

[10] This photographer and founder of Group f/64 [F stop 64] is best known for his depictions of the American West, in particular Yosemite National Park.

ANSWER: Ansel Easton **Adams**

19. This figure's daughter was captured during the War of the Epigoni and forced into marriage with King Rhacius. This father of Manto was once asked by Zeus and Hera to decide which gender enjoyed sex more; he was asked because his disruption of copulating snakes earlier resulted in him being turned into a woman for seven years. As a boy he witnessed a bathing Athena, who then turned him blind while also giving him the gift of soothsaying. For 10 points, name this advisor to Oedipus, a blind prophet of Greek myth.

ANSWER: Tiresias [or Teiresias]

BONUS: At the beginning of this work, one character complains to the Valet about not being given his toothbrush. For 10 points each:

[10] Name this 1944 play in which the deserter Garcin exclaims that "hell is other people."

ANSWER: No Exit [or Huis Clos]

[10] *No Exit* was written by this French Existentialist philosopher who authored *Being and Nothingness*.

ANSWER: Jean-Paul Charles Aymard Sartre

[10] In *No Exit*, Garcin spends eternity with a postal clerk named Ines and this other woman who is in hell for cheating on her husband, then killing the resulting child, which prompted her lover to commit suicide.

ANSWER: Estelle

20. This man once gave a speech that began with the words "I don't know whether you fully understand that I have just been shot;" he then refused all medical attention until he was finished with his ninety minute speech. This man was given a Nobel Peace Prize for hosting the Treaty of Portsmouth, the agreement that ended the Russo-Japanese War. He resigned from his post as Assistant Secretary of the Navy to join the 1st United States Volunteer Cavalry during the Spanish-American War. This person went on to lead that cavalry regiment, better known as the Rough Riders, as they took San Juan Hill. For 10 points, name this President of the United States, who spoke softly and carried a big stick.

ANSWER: Theodore Roosevelt [or Teddy Roosevelt; prompt on Roosevelt]

BONUS: For 10 points each, name the following related to the Five Pillars of Islam.

[10] The final pillar requires every financially and physically capable Muslim to make this pilgrimage to Mecca at least once.

ANSWER: hajj

[10] The second pillar requires this action, which is performed five times a day by devout followers.

ANSWER: prayer [accept equivalents that mention praying; accept salat or salah]

[10] The first pillar is this profession that "there is no god but Allah, Muhammad is the messenger of God."

ANSWER: shahada [or kalima]

END OF MATCH – Announce final score and do not read tiebreaker tossup(s) unless the score is tied

Tiebreaker Tossups – If the match is tied, read one tossup at a time until the score changes (correct answer or neg).

21. In one work by this author, a trucker named Alvaro acquires the title item to woo a widowed Sicilian woman named Serafina. In another work by this author, the suicide of Skipper leads to alcoholism for Brick, who reveals Big Daddy Pollitt's terminal cancer diagnosis. One character in a better known play by this author works at a St. Louis shoe factory with Jim O'Connor, whom he invites to dinner as a potential suitor for his shy, crippled sister, Laura Wingfield. For 10 points, name this American playwright of *The Rose Tattoo*, *Cat on a Hot Tin Roof*, and *The Glass Menagerie*.

ANSWER: Thomas Lanier "Tennessee" **Williams** III

22. The earliest form of this tissue is believed to have been found in the genus *Cooksonia* during the Silurian period, and its pattern of development can be characterized as centrarch, exarch, endarch, or mesarch. Minor structures in this tissue include the scaliform perforations and the fusiform initial. This tissue is composed of vessel elements and tracheids. Root pressure and transpiration allow water to pass through this tissue. For 10 points, name this plant tissue, which has a name meaning "wood," and is often contrasted with phloem.

ANSWER: **Xylem**