

Round 2

Pack by Boston University – Jon Couture, Mike Hoey-Lukakis, Daisy Bow, and Kieran Wong

TOSSUP 1 - LITERATURE

**June 27th was clear and sunny. Mr. Summers conducted it, followed by the postmaster, Mr. Graves. Old Man Warner was the oldest man in town, but the (\*) box was older.** Mr. Baxter held the box as everyone drew a slip of paper. Bill Hutchinson got it. Mrs. Hutchinson didn't think it was fair. The first stone hit the side of her head. FTP, name this shocking 1948 work about ritual sacrifice in a New England town, written by Shirley Jackson.

ANSWER: The Lottery

TOSSUP 2 – FINE ARTS

**Born of German and Spanish/Indian parentage, this mixed heritage and a childhood streetcar accident, which injured (\*) her spine, are major influences on her work.** Though she considered herself a realist, André Breton saw her work as some of the greatest surrealist art. FTP name this Mexican artist, known for recurrent self-portraiture in most of her works, who was once married to Diego Rivera.

ANSWER: Frida Kahlo

TOSSUP 3 – CURRENT EVENTS

**"Some Comfort Gained from the Acceptance of the Inherent Lies in Everything," "Ghost," "Au Naturel," (\*) "Everyone I Have Ever Slept With," "Deep Throat," "Myra," "A Thousand Years," "Self," and "The Holy Virgin Mary."** A federal district judge recently ruled that Rudolph Giuliani could not block the display of "Sensation," the exhibit including these works. FTP, name the museum in New York where it will be on display.

ANSWER: Brooklyn Museum of Art (accept Sensation before it is mentioned)

TOSSUP 4 – SOCIAL SCIENCE

**Born in 1872, he provided the link between Emile Durkheim and later anthropologists like Claude Levi-Strauss. Not surprising considering that he was not only Durkheim's (\*) student, but his nephew as well.** In his most famous work, he describes the importance of mutual exchange in social relations. FTP, name the French author of *The Gift*.

ANSWER: Marcel Mauss [Mouse]

TOSSUP 5 – SCIENCE

**During the year of the general strike in England he would routinely bike 60 miles from his home to the Sherborne School. He entered King's College where he became interested in (\*) mathematical logic.** Together with W.G. Welchman he developed the Bombe, a machine that decoded messages sent by the Enigma machines of the Luftwaffe. FTP name this man who has an abstract logic machine named for him.

ANSWER: Alan Mathison Turing

TOSSUP 6 – PHILOSOPHY

**Hannah Arendt called him "the only great thinker who attempted to derive public good from private interest." His most famous work contains two chapters on demonology and a Christian state, but the first two chapters are much more widely read. (\*)** He idealized the Commonwealth under a strong sovereign as a remedy for the "war of all against all" that is the "state of nature." FTP, name this author of the 1651 *Leviathan*.

ANSWER: Thomas Hobbes

TOSSUP 7 – GEOGRAPHY

**Its easternmost island is Rudolf island, whose Cape Fligeli is the northernmost point in Russia. An archipelago (\*) of 191 islands, it falls administratively into Arkhangelsk oblast (province) and is located in the northeastern Barents Sea.** FTP, identify this island group named after an Austrian emperor.

ANSWER: Franz Josef Land (or Zemlya Frantsa-Iosifa)

TOSSUP 8 – SPORTS

**It opened on Warwick Road in 1910, but was not developed into what it is today until the release of the Taylor Report. Atherden Fuller envisioned it with a capacity of 52,000, and that was realized with the building of the Stretford (\*) End in 1993. The latest round of expansions will make the capacity 67,000, the third largest stadium in England behind only Wembley and Twickenham. FTP name this home of the most lucrative soccer team in the world, Manchester United.**

ANSWER: Old Trafford

TOSSUP 9 - HISTORY

**It started because construction contracts made more money than operation of the final product, especially in the case of a private company supported by federal loans and land grants. A few men contracted themselves or assignees to build a (\*) railroad. Along with company trustees, the men made millions. When it was discovered two of the men were Senator Oakes Ames and VP Schuyler Colfax, it became a national scandal. FTP name this corruption of Union Pacific during the Grant administration.**

ANSWER: Credit Mobilier Scandal

TOSSUP 10 – LITERATURE

**Although he was born on the outskirts of Buenos Aires, this author grew up speaking English and as a child, and even considered *Don Quixote* a bad translation when he read it in the original Spanish. It was only after a serious accident (\*) that he began to write the short stories for which he is now best known. Many of his early stories are detective stories written in collaboration with his friend Adolfo Bioy Casares, but he is much better known for his innovative use of the fantastic. FTP name this author of the story collections *Ficciones* and *El Aleph*.**

ANSWER: Jorge Luis Borges

TOSSUP 11 – HISTORY

**It's generally accepted that World War I ended in 1918, but because the Treaty of Versailles never mentioned one of the warring nations, the war technically did not end then. This country, whose motto is "Touch me if you dare," (\*) continued to fight Germany despite the handicap of not bordering it. On September 25th, 1939, it reached an accord with Germany, finally bringing peace to Europe—except that World War II had just begun. FTP name this tiny state located in the Pyrenees.**

ANSWER: Andorra

TOSSUP 12 – SCIENCE

**Its local connectedness is a major open question, though its global connectedness was proved by John Hubbard, who also named it. Hubbard also showed that it is the set of (\*) complex numbers  $Z$  such that  $Z^2$  squared plus  $C$  remains bounded under iteration, as well as the set whose associated Julia set is connected. FTP, identify this fractal.**

ANSWER: The Mandelbrot Set

TOSSUP 13 – GEN. KNOWLEDGE

**It contains the world's two longest covered outdoor escalators. The shorter of the two is located inside Ocean Park. The other extends from Central up to the Midlevels of The Peak (\*) and is mostly used by commuters during rush hour. Popular tourist attractions in this city include Stanley Market and the Jumbo floating restaurant in Aberdeen. FTP name this Asian financial city, whose name literally means "Fragrant Harbor."**

ANSWER: Hong Kong or Xiang Gong

TOSSUP 14 – HISTORY

**Old Sarum and Dunwich were two notorious examples. The latter had been underwater since the twelfth century, and the former had no residents, yet until 1832 both were (\*) better represented than Birmingham and Manchester in the House of Commons. Less extreme cases had several hundred residents, just as easily managed. FTP, name these corrupt-sounding units of British political structure, addressed in the Reform Bill of 1832.**

ANSWER: rotten boroughs (prompt on "boroughs"; do not accept "pocket boroughs")

#### TOSSUP 15 – MYTHOLOGY

**He was the son of Glaucus and Eurynome and the grandson of Sisyphus. Proetus' wife Stheneboea (thay-nay-BEE-a) tempted (\*) him, and when he refused, she accused him of trying to seduce her. Proetus sent him to King Iobates, who punished him with several labors. After successfully performing them, he incurred the gods' wrath by trying to storm Olympus. FTP, name the Greek mythical figure best known for taming Pegasus and slaying the Chimaera.**

ANSWER: Bellerophon

#### TOSSUP 16 – FINE ARTS

**The story follows a Russian fairy tale and includes a disappearing castle, golden fruit, an evil magician that imprisons beautiful maidens (\*) and a hero to rescue the maidens. With choreography by Michel Fokine and the dancing of Tamara Karsavina, it quickly became known as a masterpiece. FTP, what is this 1910 ballet, the first significant work by Igor Stravinsky?**

ANSWER: The Firebird or L'Oiseau de Feu

#### TOSSUP 17 – LITERATURE

**The author of this work said to the Women's Rights League, "I have been more the poet and less the social philosopher than people generally seem inclined to believe." Its plot clumsily hinges on a letter dropped in a mailbox by a fired bank clerk, Nils (\*) Krogstad, who is attempting to regain his lost job by blackmailing the wife of his boss, who owes him money. She refuses to be swayed, and in a famous final scene walks out on her husband Torvald and their 3 kids. FTP, name this play by Henrik Ibsen about the housewife Nora Helmer.**

ANSWER: A Doll House or Et Dukkehjem (accept also "A Doll's House," even though it's an inferior translation)

#### TOSSUP 18 – CURRENT EVENTS

**He served briefly as deputy prime minister for his country but was fired in April 1999 because of policy disagreements (\*) during NATO's 11-week air war against Yugoslavia. In October 1999 while he was en route to Ravna Gora, a truck swung across the road and hit his car, killing everyone but him. FTP name this man, leader of the divided Serbian Renewal Movement.**

ANSWER: Vuk Draskovic

#### TOSSUP 19 – SCIENCE

**The richest source of it in the body is hemoglobin, yielding almost 10% by weight. First isolated from lupine seedlings in 1881, this amino acid can be synthesized from glucose and pyruvic acid. Alkaptonuria (\*) is a rare disorder in which the body cannot metabolize it or the other amino acid it is converted to in the liver, tyrosine. FTP name this compound abbreviated "I", and coded as "UUU" on messenger RNA, identical to alanine except with an attached benzene ring.**

ANSWER: phenylalanine

#### TOSSUP 20 – HISTORY

**President Paul Kruger refused to grant political rights to settlers in the mining area, sparking the ire of high commissioner Alfred Milner and secretary Joseph Chamberlain. War was declared on October 11 and despite the massive numbers of (\*) British troops, they could not gain quick success. After what was dubbed the "Black Week", Lord Kitchener and his troops used the "scorched earth" policy and concentration camps to defeat Transvaal and the Orange Free State. FTP name this African war which lasted from 1899-1902.**

ANSWER: (Second) Boer War

#### TOSSUP 21 – LITERATURE

**Born in 1929, he grew up in Washington, D.C. wanting to be a film actor and fulfilled his dream with cameos in *Shadow Conspiracy*, *Bob Roberts* and *With Honors*. He wrote plays like *Visit to a Small Planet* (\*) and *The Best Man* and used the pen name Edgar Box to write murder mysteries, but he's best known for historical fiction. FTP, name the author of *Myra Breckinridge* and *Lincoln*, who's apparently kissed more boys than Lisa Simpson.**

ANSWER: Gore Vidal

TOSSUP 22 – RELIGION

**From Greek for "box wood" it can refer to the container used by mints to store sample coins waiting to be tested. In the Middle Ages it most commonly described the cup in which Blessed (\*) Sacrament actually rested. FTP, what is this small object in which priests carry the host to the sick or homebound in order for them to receive Holy Communion?**

ANSWER: Pyx

TOSSUP 23 – SCIENCE

**In humans, the development of Marfan's syndrome and neurofibromatosis. Albino mice have red eyes. Siamese cats are cross-eyed and have a lower body temperature at the extremities, causing their fur to be darker in these areas. (\*) These are all manifestations of what phenomenon where the phenotypic expression of a gene at one locus is affected by the alleles of a gene at another locus?**

ANSWER: epistatic genes or epistasis

Round 2: BU

BONUS 1 – HISTORY

30-20-10 Name the woman

A) [30] Her great grandfather was a leader in Shays' Rebellion in 1786 and her sister-in-law, Elizabeth Blackwell, was the first woman to be conferred a doctorate in medicine in the U.S. in 1847.

B) [20] She and her husband Henry founded the American Woman Suffrage Association in 1869.

C) [10] When she and Henry were married, she omitted the words "obey" from her vows. She is credited with having been an important influence on Susan B. Anthony and Julia Ward Howe in the women's suffrage movement.

ANSWER: Lucy Stone

BONUS 2 – MYTHOLOGY

Identify the following from Norse Mythology FTSNOP:

A) For 10, they are the Norse equivalent of the Greek Olympians. They reside in Asgard.

ANSWER: The Aesir

B) The first man and woman, Odin fashioned them from an ash and an elder. FFPE name them.

ANSWER: Ask and Embla

C) For 5 each, they are the man and woman who will repopulate the world after Ragnarok.

ANSWER: Lif and Lifthrasir

BONUS 3 – SCIENCE

Given following the trivial or IUPAC names of chemical compounds give their degree of unsaturation FTPE. Pi bonds are one degree each, and ring structure is 1 more.

A) Cyclohexene

ANSWER: 2

B) Benzene

ANSWER: 4

C) Formaldehyde

ANSWER: 1

BONUS 4 – CURRENT EVENTS

This year has seen three special elections for seats in the U.S. House.

a. Two of the incumbents resigned; one died. For 5 points each, name them.

answer: George (Edward) Brown Jr. (died)

Newt(on Leroy) Gingrich or Newton Leroy McPherson

Robert L(inlithgow) Livingston Jr.

b. Now, for 15 points, name any one of the special election winners who succeeded them.

answer: Joe Baca

Johnny Isakson

David Vitter

BONUS 5 – SOC SCI

Name these economics term from clues FTPE.

A) This situation results from technological conditions in which long-run average cost decreases as output increases.

ANSWER: Economies of Scale (or Increasing returns to scale, etc.)

B) A measure of allocative inefficiency, it is equal to the loss in total surplus, defined as consumer surplus plus producer surplus, resulting from producing less than the efficient level of output.

ANSWER: Deadweight Welfare Loss

C) In game theory, this equilibrium is defined as the combination of strategies in a game such that neither player has any incentive to change strategies, given the strategy of his opponent.

ANSWER: Nash equilibrium

#### BONUS 6 – LITERATURE

It is often considered China's Renaissance period—by far the most prolific in terms of poetry. FTPE:

A) Name this dynasty, lasting from 618 to 907.

ANSWER: **T'ang** dynasty

B) This Tang poet failed his government examinations twice but managed to obtain a low-level position in 755 and was captured by rebels during the An Lu-shan rebellion but escaped and joined the imperial court. Known for his mastery of regulated verse, he was a staunch Confucian, in contrast with Li Po's Taoism.

ANSWER: **Du** Fu (or **Tu** Fu)

C) He was a Confucian in training but a Buddhist in practice and used poetry to write social protests. He wrote the most poems of any other Tang poet—close to 3000. His works include *The Lute Song* and *Song of the Everlasting Sorrow*.

ANSWER: **Bai** Zhuyi [Bye joo yee] (Moderator: Do not accept Li Bai!)

#### BONUS 7 – SPORTS

Identify these 1999 Basketball Hall of Fame inductees on a 10-5-5-10 basis.

A) [10] She was the first coach to lead multiple schools to women's national titles: Cal State-Fullerton in 1970 and UCLA in 1978.

ANSWER: Billie **Moore**

B) [5] A 12-year player and 7-time All-Star, his accurate shooting and dizzying post moves helped the Celtics win 3 NBA championships. He is now in the Minnesota Timberwolves front office.

ANSWER: Kevin **McHale**

C) [5] After winning 2 NBA titles with the Celtics, his Georgetown teams made 24 straight postseason appearances and won the 1984 NCAA title. 97% of his players who remained for 4 years graduated.

ANSWER: John **Thompson**

D) [10] Nicknamed The Wall during an 11-year career, he was a 5-time All-Star and won a title with the Celtics. He spent 14 years as the Cavaliers GM, then became the NBA's first black GM and team president.

ANSWER: Wayne **Embry**

#### BONUS 8 – GEOGRAPHY

Identify these volcanoes FTPE:

A) This cinder-cone volcano in western Mexico is one of the youngest volcanoes on earth. It erupted in an open field in February 1943.

ANSWER: **Paricutin**

B) With a name meaning "long mountain," this shield volcano has a dome 75 miles long and 64 miles wide.

ANSWER: **Mauna Loa**

C) This lava dome in Martinique has erupted three times this century.

ANSWER: Mount **Pelée**

#### BONUS 9 – CURRENT EVENTS

South Africa's recent election saw Nelson Mandela's deputy president chosen to succeed him. FTPE:

A) Who is South Africa's new president, the head of the African National Congress since 1997?

ANSWER: Thabo **Mbeki** (TAH-bo ma-BAY-kee)

B) The ANC recently formed a coalition with one of its main rivals which gave the alliance more than 75% of all seats in the National Assembly. What opposition party is this that is strongest in the province of KwaZulu-Natal?

ANSWER: The **Inkatha** (in-KAH-ta) Freedom Party or **IFP**

C) As a condition of that alliance, the premier of KwaZulu-Natal is now Mbeki's deputy president. Who is this leader of Inkatha who founded the party in 1975?

ANSWER: Chief Mangosuthu Gatcha **Buthelezi** (boo-ta-LAY-zee)



#### BONUS 10 – FINE ARTS

Name these 20th century avant-garde musicians, FTP each.

A. This composer preferred the term "pantonal," but the style of composing he pioneered is usually labelled "atonal." He developed the 12 tone system of composition.

Answer: Arnold Franz Walter Schoenberg

B. This German composer, notable for his experimentation with electronic music in the 1950's, expanded Schoenberg's theory of serialism beyond pitch, converting instrumentation, register, form, and duration into geometrically organized structures. His pieces generally consist of a series of musical statements, none of which are necessarily connected in any way.

Answer: Karlheinz Stockhausen

3. When asked about Schoenberg's 12-note system, this composer and improviser replied: "Damn the rules. It's the feeling that counts. You play all 12 notes anyway." The most famous of all avant-garde jazz musicians, he is known for his modal exploration of "My Favorite Things" on soprano saxophone and for dense, atonal free-meter playing on albums like "Sun Ship" and "Meditations."

Answer: John William Coltrane

#### BONUS 11 – HISTORY

Name these prominent figures in the Thirty Years War FTPE.

A) He commanded the army of the Catholic League and became imperial commander in 1630. He stormed Magdeburg and won victories in Bavaria and the Rhineland, but was defeated at Breitenfeld and mortally wounded at Lech in 1632.

ANSWER: Johannes Tilly

B) The son of Charles IX, he defeated Tilly and obtained Pomerania and several Baltic ports. However, he was killed at Lutzen (LOOT-zen) in 1632.

ANSWER: Gustavus Adolphus or Gustavus II

C) After being defeated by Gustavus Adolphus at Lutzen, he was involved in peace negotiations to end the war. Emperor Ferdinand II ordered his 1634 murder.

ANSWER: Albrecht von Wallenstein

#### BONUS 12 - LITERATURE

Identify these poems from their final lines FTPE.

A) Good fences make good neighbors.

ANSWER: Mending Wall by Robert Frost

B) This Lock the Muse shall consecrate to fame,/And 'midst the stars inscribe Belinda's name.

ANSWER: The Rape of the Lock by Alexander Pope

C) Where ignorant armies clash by night.

ANSWER: Dover Beach by Matthew Arnold

#### BONUS 13 – HISTORY

FTPE, identify these women important in 16th-century France.

A) In 1560, she became regent for her son, Charles IX. She was the wife of Henry II and the mother of the kings Francis II and Henry III as well as Charles. The legend of this "wicked queen" stems largely from her involvement in the St. Bartholomew's Day Massacre.

ANSWER: Catherine de'Medici

B) The chateau of Chenonceaux originally belonged to this mistress of Henry II, but after Henry's death, his widow forced this woman to trade it with her for an inferior chateau.

ANSWER: Diane de Poitiers or Duchesse de Valentinois

C) King Francis I's sister was the mother of Jeanne d'Albret and the author of the *Heptameron*.

ANSWER: Marguerite (or Margaret) of Navarre or Marguerite Angouleme

#### BONUS 14 – SPORTS

Identify these baseball titans from their nicknames FTSNOP.

A) [10] Big Six

ANSWER: Christy Mathewson

B) [5] The Big Train

ANSWER: Walter Johnson

C) [5] The Big Hurt

ANSWER: Frank Thomas

D) [10] Big Poison

ANSWER: Paul Waner (prompt on “Waner”)

#### BONUS 15 – SCIENCE

Identify these scientists who made their mark in blackbody research, none of whom are Max Planck, FTSNOP.

A) Although a blackbody emits radiation over a wide range of wavelengths, there is one wavelength at which radiation reaches a maximum. For 10, whose law states that this wavelength is inversely proportional to the temperature of the blackbody?

ANSWER: Wilhelm Wien

B) A classical calculation shows that the power radiated by a blackbody is proportional to the inverse fourth power of wavelength. Although this holds experimentally for long wavelengths, it fails utterly for short wavelengths and was corrected by Max Planck. F5PE, name the two scientists whose names are attached to this law.

ANSWER: John Strutt, 3rd Baron Ravleigh and James William Jeans

C) Another law states that the total radiation emitted from a blackbody is proportional to the fourth power of its temperature. F5PE, what two scientists names are given to this law?

ANSWER: Josef Stefan and Ludwig Boltzmann

#### BONUS 16 – RELIGION

Given a Biblical verse, identify the book from which it is excerpted FTPE.

A) "Is it nothing to you, all ye that pass by? Behold, and see if there be any sorrow like unto my sorrow."

ANSWER: Lamentations of Jeremiah

B) "For the wages of sin is death, but the gift of God is eternal life in Christ Jesus our Lord."

ANSWER: Letter to the Romans

C) "The Lord gave, and the Lord hath taken away; blessed be the name of the Lord."

ANSWER: Book of Job

#### BONUS 17 – FINE ARTS

Given the famous buildings, name the Bauhaus and International Style architects FTPE.

A) The Illinois Institute of Technology (I.I.T) campus in Chicago, Lake Shore Drive Apartment Towers in Chicago, New National Gallery in Berlin, and the Seagram Building in New York.

ANSWER: Ludwig Mies van der Rohe (do not accept or prompt on any partial answer)

B) Viipuri Library, Finlandia House, and Baker House at MIT.

ANSWER: Alvar Aalto

C) Unite d'Habitation in Marseille, Government Center in the Punjab, Pilgrim Church of Notre Dame du Haut at Ronchamp, and the rugged monastery of La Tourette in France.

ANSWER: Charles Edouard Jeanneret or Le Corbusier

#### BONUS 18 – HISTORY

Answer these questions on Australian history FTPE.

A) The first western nation to possess Australia was this one, after the first sighting of it in 1606.

ANSWER: Holland or The Netherlands

B) English settlement didn't begin until 1788 when this man, the leader of the First Fleet, arrived.

ANSWER: Arthur Philip

C) The first settlement Philip established was named after this man, the Home Secretary at the time.

ANSWER: Lord Sydney



#### BONUS 19 – SCIENCE

FTPE, answer these related math questions.

A) What name is given to the mathematics of systematic counting?

ANSWER: combinatorics

B) This principle counts the number of a certain class of objects by removing those that should not count and, in turn, compensating by replacing those that have been removed incorrectly.

ANSWER: Principle of Inclusion and Exclusion or “PIE”

C) According to the Principle of Inclusion and Exclusion, how many positive integers less than or equal to 20 are multiples of neither 2 nor 3? You have 10 seconds.

ANSWER: 9

#### BONUS 20 – LITERATURE

30-20-10, name the author.

A) [30] Found 150 years after she wrote it in the Houghton Library, her novel *Inheritance* was published in 1997.

B) [20] Born in Pennsylvania, she moved to Massachusetts when she was two. Her book *Transcending Wild Oats* talks about her father’s attempt at utopian living in Harvard, MA.

C) [10] Her childhood home of Hillside became the setting for *Little Women*.

ANSWER: Louisa May Alcott

#### BONUS 21 – PHILOSOPHY

Given the sage advice, name the philosopher F15PE, or 10 if you require another clue.

A) [15] This ancient Greek philosopher, who was born on the island of Samos around 570 BC, warned his followers against picking up fallen food, touching the white rooster, and, most importantly, eating beans.

B) [10] He also said that all is number, and observed that strings whose lengths differ by a factor of two produce tones an octave apart.

ANSWER: Pythagoras

C) [15] This ancient Greek astutely observed that dogs bark at everyone they don't know, pigs wash themselves in mud, birds in dust and ash, and what we see asleep is sleep.

D) [10] This Miletian thinker also said, “You cannot step twice into the same river.”

Answer: Heraclitus

#### BONUS 22 LITERATURE

If you have a younger sibling then you've no doubt heard of *Harry Potter and the Sorcerer's Stone*. Laugh if you will but here is your bonus question. Answer the following FTPE.

A) Before publishing the book this author was an out of work, divorced mother. She wrote the beginnings of the book on scraps of paper at a local cafe because she couldn't afford the heating in her own flat.

ANSWER: J.K. Rowling

B) He is the evil sorcerer that Harry defeats twice. Almost everyone refers to him as “You-Know-Who.”

ANSWER: Voldemort

C) In Quidditch, the intramural sport at Hogwarts it is the small golden colored ball that is worth 150 points when caught by the Seeker of either team.

ANSWER: The Snitch