

Round 6

Packet by Yale Ramey and Yale Aleks  
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TOSSUP 1 Geography:

**The people of this group of five islands possess the only Semitic language written in Latin script. (\*)** With English as the other official language, this nation's cultural history reflects foreign conquests and influences ranging from Arab to Norman to English. It gained its independence from Great Britain on September 21, 1964. FTP, name this island nation, lying 58 miles south of the coast of Sicily, with capital at Valleta.

ANSWER: Republic of Malta, also acceptable: Repubblika ta' Malta

TOSSUP 2 History:

**Unfortunately it housed only seven people at the time: a drunken Irishman who alternately thought he was Julius Caesar, Joan of Arc, and God; a renegade priest who was an attempted (\*) assassin; a nobleman who had committed incest; and four forgers.** These seven were all set free using armaments taken earlier from the Hotel des Invalides. FTP, name this symbol of absolutist monarchy, which was stormed on July 14, 1789 by an angry mob of Parisians.

ANSWER: The Bastille

TOSSUP 3 Science:

**The symptoms of this disease, which include diarrhea, dermatitis and dementia, result from insufficient amounts of crucial coenzymes like NAD. These coenzymes (\*) can only be synthesized from closely related precursors like niacin, which cures the disease.** FTP, name this vitamin deficiency disease associated with malnourished farm workers in the American South.

ANSWER: Pellagra

TOSSUP 4 Pop Culture:

**Limousines have machine gunners in the backseat, who shoot when they get alongside you. Switchblades slash your tires, and (\*) Bullet-proof Bullies try to run you off the road.** Then there's the helicopter, whose bombs leave craters in the road. Fortunately, you can fight back with missiles, machine guns, oil slicks and smoke screens in, FTP, what classic Sunsoft driving game?

ANSWER: Spv Hunter

TOSSUP 5 Fine Arts:

**Born to Armenian parents in what is now Georgia, he incorporated the folk music of eastern Europe in many of his compositions and he was inspired by the music of the French Impressionists. His works include a *Children's Album* for piano and (\*) a *Concerto-Rhapsody for cello and orchestra*, which he dedicated to Rostropovich. For ten points, name this man known for his skillful use of dissonance, the composer of *Spartacus* and of *Gayane*, which contains the *Sabre Dance*.**

ANSWER: Aram Khachaturian

TOSSUP 6 History:

**A graduate of Harvard Law in 1833, he was elected to the U.S. Senate in 1852. Known as a crusader for prison reform, world peace, and Horace Mann's educational reforms, his uncompromising stance on (\*) abolition led him to harshly criticize the policies of Stephen Douglas. Chairman of the Senate Foreign Relations committee from 1861 to 1871, name FTP, this senator and principal proponent of postwar civil rights legislation almost beaten to death with a cane by Preston Brooks.**

ANSWER: Charles Sumner

TOSSUP 7 Sports:

**Raiders linebacker Phil Villapiano said later that had he been as lazy on this play as the man he was covering, the ball would have come to him waist high. John Madden and Al Davis have both always maintained that John Fuqua (\*), and not Jack Tatum, touched the ball, which would have invalidated the touchdown. FTP, name this classic moment from the 1972 playoffs, in which Steelers running back Franco Harris scored the game-winning touchdown off a deflected pass.**

ANSWER: The Immaculate Reception (Prompt on "Franco Harris" on early buzz)

TOSSUP 8 Current Events:

**A Prohibition Party agitator, he wrote for the daily paper at his alma mater, UCLA. He also wrote for the Liberation magazine(\*), a War Resisters League publication. He was a Congressional candidate in 1968 as part of the Peace and Freedom line, and ran for the presidency once before in 1980. FTP, name this 2000 Presidential Election candidate of the Socialist Party.**

Answer: David McReynolds

TOSSUP 9 Science:

**The spot named for him is a point of light in the center of the shadow of a solid disc, which was actually discovered by Fresnel (fre-NELL). His own work in physics included an 1833 "Treatise on Mechanics" (\*) and an expression relating the Laplacian of gravitational potential to mass density. However, this thinker is perhaps best known for his mathematical work. FTP, who described the odds of getting a certain number of items in a random sample with his eponymous distribution?**

ANSWER: Siméon-Denis Poisson (pwah-SON)

TOSSUP 10 RMP:

**In *Orlando Furioso*, she is depicted as living at the bottom of a lake. In *Orlando Innamorato*, she first appears as "Lady Fortune," but quickly regains her (\*) witch-like attributes. In *Tasso*, she has three daughters: Carvilia, Morganetta, and Nivetta, and in *Ogier the Dane*, she restores the youth of the title character. For ten points, name this fairy sister of King Arthur who informs him of the relationship of Guinevere and Lancelot.**

ANSWER: Morgan le Fay, also acceptable: Morgane, Morganetta, Morgaine, Morgue la Faye, and Morgana

TOSSUP 11 Fine Arts:

**As an artist, he moved away from the imitation of nature and toward the spirituality and introspection promoted by the Theosophical Society (\*), a mystical religious group to which he belonged. He was influenced by the Cubist art of Picasso and Braque and, late in life, he developed an intense hatred for the color green. For ten points, name this Dutch Neo-Plasticist painter whose works include *Broadway Boogie Woogie* and *Composition with Red, Yellow and Blue*.**

ANSWER: Piet Mondrian

TOSSUP 12 History:

**The son of an impoverished boatman, he quit school at 11 to start working on the waterfront. He soon acquired his own boat to ferry passengers between New York City and Staten Island. (\*) This small start grew into the huge Accessory Transit Company, and by 1850 he had turned his attention to railroads, which would make him even richer. FTP, name this magnate, patriarch of an American business dynasty and namesake of the former Central University in Nashville, Tennessee.**

Answer: Cornelius Vanderbilt

TOSSUP 13 Soc Sci:

**When Charles Dawson found the fossilized cranium, jawbone, and teeth of this creature in 1910, they seemed to be a feasible alternative to *Homo Erectus* as an ancestor (\*) of modern humans. But further discoveries of the skeletons of *Homo Erectus*, *Australopithecus*, and *Neanderthal* left this homonid out of the evolutionary loop. FTP, name this fraudulent "man," whose stealthily planted bones were later discovered to belong to a 600 year old human and an orangutan.**

Answer: Pittdown Man

TOSSUP 14 Literature:

**Varying interpretations view it as a modern version of the story of Job, a treatment of original sin, an attack on bureaucracy, a warning about Nazism, or a clinical study of tuberculosis. (\*)** Characters include Titorelli the painter, Block, Dr. Huld, and Leni. For 10 points, name this novel originally published in 1925 that begins with the words, "Someone must have been telling lies about Joseph K," written by Franz Kafka.

ANSWER: The Trial or Der Prozeß

TOSSUP 15 Science:

**You can have a radio, acoustic, optical, laser, speckle, or a Fabry-Perot (fa-BREE Peh-ROH) type of this instrument. (\*)** One of the many devices that can disperse spectra, they divide the wave with semitransparent surfaces, producing two or more beams that travel different paths and then recombine. FTP, name this class of instruments, developed by Albert Michelson, and used extensively in spectroscopy.

Answer: interferometer

TOSSUP 16 History:

**The structure that we see today was the third phase of construction on the site, and the earliest phase would bear little resemblance, consisting solely of a large circular ditch (\*)** and bank. It wasn't until about 2000 BC that the Heel stone, the Altar stone, the Slaughter stone, and the easily recognizable sarsen stone trilithons were added. FTP, name this ancient English megalith, probably built by an Early Bronze Age Britons, and not the Druids, as widely believed.

Answer: Stonehenge

TOSSUP 17 Literature:

**A stranger by the name of Howard L. Stephenson sends a sack of gold to one man, and the same letter to nineteen prominent citizens. Chaos ensues. (\*)** Taking place in a town whose motto is "Lead us not into temptation," FTP, what is this short story by Mark Twain with a notable grammatical error in its title?

ANSWER: The Man That Corrupted Hadleyburg (do not accept: The Man *Who* Corrupted Hadleyburg)

TOSSUP 18 RMP:

**The first of these was adopted in AD 325 to settle a controversy concerning the persons of the Trinity. Intended to cover questions about the divinity of Christ, it also included several clauses against (\*)** Arianism. The second and modern version is based on a 4<sup>th</sup>-century creed written under the influence of St. Cyril and is considered ecumenical by the Eastern and Roman communions. For ten points, name this formal statement of doctrine of the Christian faith, a longer version of the Apostle's Creed.

ANSWER: Nicene Creed, accept also "Niceno-Constantinopolitan Creed"

TOSSUP 19 Sports:

**His career started in the Tigers organization, but in 1929, Detroit traded him to the National League team for whom he would win 253 games and make his name (\*)** as a big-game pitcher, earning the nickname "Meal Ticket." In the 1934 All-Star game, he struck out six consecutive Hall-of-Famers. FTP, name this Giants lefthander, whose arm was permanently twisted by the repeated motion of his best pitch, the screwball.

ANSWER: Carl Hubbell

TOSSUP 20 Literature:

In 1826, at the age of 19, his poem "The Exile's Departure" was accepted for publication in the *Newburyport Free Press* by William Lloyd Garrison. In his illustrious life, he was an abolitionist, a journalist, and most importantly, a poet, writing works like (\*) *Voices of Freedom*, *The Panorama*, and *Songs of Labor*. FTP, name this poet, who is probably best known for the lines, "Of all sad words of tongue or pen, / The saddest are these: 'It might have been!'" taken from *Maud Muller*.

Answer: John Greenleaf Whittier

TOSSUP 21 Current Events:

**In Kansas, evolution was removed from the standard curriculum, but to try and appease both sides of the debate, this state has taken a less extreme stance (\*) than Kansas, attempting to treat both creationism and evolution as equally valid theories in its curriculum. FTP, name this state that recently replaced the word “evolution” with the phrase “change over time,” a neighbor of the state which saw the 1925 Scopes trial.**

Answer: Kentucky

TOSSUP 22 Literature:

**This raw and simple American fable bubbles with underlying tension as Eddie grows angry watching the young girl go ga-ga over the charming Rodolpho. (\*) For 10 points name this Pulitzer prize winning play written in 1955 by Arthur Miller.**

ANSWER: A View From <sup>the</sup> Bridge

TOSSUP 23 Science:

**In organic chemistry, it acts as a nucleophile similar to acetylide ion, which has the same (\*) electronic structure, including a carbon with sp hybridization. However, it is better known for its ability to interfere with Complex IV of the electron transport chain. FTP, name this ion, a poison with the odor of bitter almonds.**

ANSWER: Cyanide

TOSSUP 24 Pop Culture:

**When the Pawn Hits the Conflicts He Thinks Like a King. What He Knows Throws the Blows When he goes to the fight. And he'll win the Whole thing 'fore he enters the Ring. There's no Body to Batter When your Mind is your might. (\*) This is the beginning of the title of this artist's second album, which has 90 words. FTP, name this artist, who released Tidal, her first album, in 1996.**

Answer: Fiona Apple

TOSSUP 25 RMP:

**This work references the “Four Great Errors,” the error of confusing cause and effect, the error of false causality, the error of imaginary causes, and the error of (\*) free will. It suggests that most morality taught goes against nature. Yet another chapter discusses how the real world became a myth. FTP, name this Nietzsche work, partly named for the last part of Wagner's Ring cycle.**

Answer: Twilight of the Idols

Round 6: Yale Ramey and Aleks

BONUS 1 Literature:

Name the following characters from Dante's *Inferno*.

a. Dante and his guide, Virgil, come across these two lovers in the second circle (for 5 points each):

ANSWER: Paolo and Francesca

b. For 10 points, Dante and Virgil fly down a cliff on the back of this monster of fraud.

ANSWER: Geryon

c. FTP, all or nothing, the three traitors in the mouth of Satan in the lowest circle.

ANSWER: Brutus, Cassius, and Judas Iscariot

BONUS 2 Current Events:

FTPE, name these key figures in the Pakistani coup in October 1999.

A) This general led the coup, hours after being informed that he was to be fired.

Answer: General Pervez Musharraf

B) This man had been Musharraf's democratically elected boss, as prime minister.

Answer: Nawaz Sharif

C) People fear that Musharraf will exploit this opportunity to construct a dictatorial regime as did this General from 1977-1988.

Answer: General Zia Ul-Haq

BONUS 3 Science:

Identify these related things from organic chemistry FTPE

a. This property is associated with aromatic compounds, but any compound with at least two double bonds could potentially fit the definition.

ANSWER: Conjugated

b. Conjugated compounds tend to be colorful because light interacts with the electrons shared between what orbitals?

ANSWER: Pi orbitals, also accept: P orbitals

c. Unlike s orbitals, p orbitals are degenerate in both L and M, the quantum numbers for angular momentum and magnetic spin. What is the degeneracy number of the 3p orbital (i.e. how many different 3p electron states are there)?

ANSWER: 10 : L can have 5 values (-2 to 2) and M can have 2 (+1/2 and -1/2)

BONUS 4 Literature:

Identify these Ralph Ellison works FTSNOP.

A) [5] This novel about a nameless black man and his growing frustration over racial inequality won the National Book Award in 1953.

Answer: Invisible Man (do not accept "The Invisible Man," as that is a Wells novel)

B) [5] Regarding this work, published by editor John F. Callahan in 1999, The New York Times Book Review has said, "It seems unfair to Ellison to review a novel he did not write."

Answer: Juneteenth

C) [10] Also edited by Callahan, this collection of 13 "lost" short stories written from 1937 to 1954 was published in January of 1997.

Answer: Flying Home and Other Short Stories

D) [10] Ellison made the list of the century's top non-fiction works with this 1964 collection of essays.

Answer: Shadow and Act

BONUS 5 Geography:

Given the river, tell what sea it empties into FTPE.

A) Mekong River

ANSWER: South China Sea

B) Dniester River

ANSWER: Black Sea

C) Vistula River

ANSWER: Baltic Sea

BONUS 6 Sports:

Identify these well-traveled NBA players FTPE

a. This power forward, the son of a Hall-of-Famer, joins the Timberwolves this year, the eighth team for which he's played.

ANSWER: Danny Schaves

b. Sports Illustrated's latest NBA preview lists him as the Spurs starting small forward, and points out that he's now played for all three Texas teams, along with 8 others.

ANSWER: Chucky Brown

c. This former three-point gunner for the Magic is now in Vancouver, his fifth team since the '97-'98 season.

ANSWER: Dennis Scott

BONUS 7 Fine Arts:

For 10 points each, name these famous sculptors.

a. Her works include *Giganti* and *Young Girl with a Sheaf*, but she is best remembered for her tumultuous relationship with Auguste Rodin, which was the basis for Henrik Ibsen's play *When We Dead Awaken*.

ANSWER: Camille Claudel

b. This Roxbury, Connecticut native is probably most famous for his static sculptures, which Jean Arp referred to as *stables*.

ANSWER: Alexander Calder

c. The works of this 19<sup>th</sup> century American include *The Rattlesnake*.

ANSWER: Frederick Remington

BONUS 8 History:

Answer these questions about the scandal that tore France apart in 1894, the Dreyfus Affair, FTPE.

a. After Dreyfus was convicted, this chief of army counterintelligence reopened the case, and discovered that the army had conspired to ensure Dreyfus' conviction, and discovered the real culprit.

ANSWER: Georges Picquart

b. This officer was discovered to have been the actual spy, and later fled to England.

ANSWER: Major Marie-Charles-Ferdinand Esterhazy

c. During the fiery feuds sparked by the incident, novelist Emile Zola published this scathing indictment of the Affair in the newspaper *Aurore*.

ANSWER: J'Accuse

BONUS 9 Science

Identify these amino acids FTPE.

a. The imidazolium group of this amino acid is often used to ligand metals. It has a particularly high affinity for nickel.

ANSWER: Histidine

b. This is the lightest amino acid, and the only one which isn't chiral. It is often used in proteins to provide flexibility.

ANSWER: Glycine

c. This amino acid is unique for its thiol group. It can be used as a metal ligand, but it has a much better known structural function.

ANSWER: Cysteine



BONUS 10 Literature:

Answer these questions about pretty old English poems FTPE.

A) One of the best-known anonymous poems, this poem tells the story of the “best sailor that sails upon the sea.” He ends up drowned, fifty fathoms deep, with Scottish lords at his feet. According to William Harmon, it’s the second-most anthologized English poem, behind only Blake’s “The Tyger.”

Answer: Sir Patrick Spens

B) Name the author of the poem *The Passionate Shepherd to His Love*, which begins with the line, “Come live with me and be my love.”

Answer: Christopher Marlowe

C) This man wrote a response to Marlowe’s passionate shepherd’s plea, titled *The Nymph’s Reply to the Shepherd*.

Answer: Sir Walter Raleigh

BONUS 11 RMP:

For five points each, and an extra five for all correct, identify the Pillars of Islam.

ANSWER: 1. Belief in one god, and that Muhammad is his prophet OR Imam

2. Prayer (five times a day) OR Salat

3. Fasting during month of Ramadan OR Sivam

4. Charity OR Alms OR Zakat

5. Pilgrimage to Mecca OR hajj

[Clear knowledge equivalents acceptable.]

BONUS 12 Fine Arts:

FTPE, answer these questions about illuminated manuscripts.

A) This 8th century gospel book is one of the best examples of the ornate Hiberno-Saxon style, and the Irish monastery where it was found and completed lends it its name.

Answer: Book of Kells

B) This Carolingian psalter from around 830 AD is drawn in a sketchy, agitated style, emphasizing landscapes and recalling Hellenistic paintings from Roman villas. It shares its name with a 1713 treaty.

Answer: Utrecht Psalter

C) The Benedictional of St. Aethelwold is a product of this 10th century Anglo-Saxon school of illumination, known for its heavy borders and acanthus foliage designs.

Answer: Winchester School

BONUS 13 Science:

Name these metamorphic rocks from their origins FTPE.

A) This metamorphic rock derives from the metamorphism of carbonate sediments containing calcite or dolomite.

Answer: Marble

B) This metamorphic rock derives from rocks that were clay-rich settlements, such as sandstone. This type of rock also tends to be rich in micas and chlorites.

Answer: Slate

C) This metamorphic rock comes from the metamorphism of common igneous rocks of the basalt-gabbro type known as amphibolites. The rock usually has visible mineral grains and sounds remotely like something a normal person wouldn’t want to touch.

Answer: Schist

BONUS 14 RMP:

For ten points each, name the Greek muse.

a. She is the patron of comedy.

ANSWER: Thalia

b. She is the patron of music and is often depicted as a flute-player.

ANSWER: Euterpe

c. She is the patron of history.

ANSWER: Clio

BONUS 15 Literature:

For ten points each, answer the following about the Sumerian epic *Gilgamesh*.

a. The fullest extant text of *Gilgamesh* was found at Nineveh in the library of this last Assyrian king, who reigned from 668-627 BC.

ANSWER: Ashurbanipal

b. During his quest for eternal life, Gilgamesh encounters this aged survivor of an ancient flood.

ANSWER: Utnapishtam

c. This creature, whose head is cut off by Gilgamesh, speaks a curse against Enkidu before he dies.

ANSWER: Humbaba or Huwawa, prompt for the character's name on "Guardian of the Cedar Forest" or similar responses

BONUS 16 History:

Given the Roman name of a city, give its current name, FTPE.

A) Eboracum

Answer: York, England

B) Lugdunum

Answer: Lyon, France

C) Aquae Sulis

Answer: Bath, England

BONUS 17 Science:

Identify these things relating to black holes FTPE.

A) This is the center of the whole, where all of the mass is concentrated. As a result, this point has infinite mass density.

ANSWER: singularity

B) This is the distance from the singularity to the event horizon. For a star of mass M, it is equal to  $2GM$  over  $c$  squared, where G is Newton's constant and c is the speed of light.

ANSWER: Schwarzschild radius

C) In standard (Schwarzschild) coordinates, the event horizon also appears to be a singularity, but this is not the case. When viewed in this coordinate system, the event horizon is nonsingular.

ANSWER: Eddington-Finkelstein coordinates (or metric)

BONUS 18 RMP:

For ten points each, given a description of a philosophy, provide the term.

a. An extreme form of skepticism that denies all existence, or the idea that all values are baseless and that nothing can be known or communicated.

ANSWER: nihilism

b. The theory that the self is the only thing that can be known and verified.

ANSWER: solipsism

c. The ethical doctrine holding that only what is pleasant or has pleasant consequences is intrinsically good.

ANSWER: hedonism

BONUS 19 Misc:

FTSNOP, name these Napoleons.

A) [5] This Napoleon was nicknamed l'aiglon ("the eaglet"), and at birth he was named King of Rome.

Answer: Napoleon II (full name Napoléon-François-Charles-Joseph Bonaparte Reichstadt)

B) [10] This Napoleon was French prince imperial, his mother was the Empress Eugenie, and he was killed as a volunteer soldier in the British Zulu wars.

Answer: Napoleon IV (full name Napoleon-Eugene-Louis Bonaparte)

C) [5] He was the nephew of Napoleon I, and was president of the Second Republic and eventually emperor.

Answer: Napoleon III or Louis-Napoleon (full name Charles-Louis-Napoleon Bonaparte)

D) [10] He has been the Raiders' top running back the last four seasons, although this year Tyrone Wheatley has been their main man.

ANSWER: Napoleon Kaufman



BONUS 20 History:

Answer these questions about the development of the Hydrogen bomb in the former USSR, FTSNOP.

A) The Russians designed their Hydrogen bomb independent of the U.S. design. The Russians decided to put alternating layers of D-T mixture with Uranium-238 in order to create the pressure needed to ignite fusion. Five points for the English translation, ten points for the original Russian, give the name of this design.

Answer: Laver Cake (Eng.) or Sloika (Rus.)

\*Note: The Russian word, Sloika, denotes a specific pastry that the bomb design is named after, as opposed to the generic layer cake in English translation. Therefore, Sloika is more correct.

B) For ten points, give the name of the scientist who came up with this design in 1948.

Answer: Andrei Dmitrievich Sakharov

C) The U.S. design of the H-bomb relied on this configuration for detonation, named for the director of the project, and the mathematician/physicist that came up with the idea for the design. For the final ten points, name this configuration.

Answer: Teller-Ulam Configuration

BONUS 21 Pop Culture:

Identify these characters from the Animaniacs on a 5-10-5-10 basis.

a. (5 points) He is featured in an Edward Scissorhands parody, but gets most of his airtime in "Good Idea, Bad Idea" segments.

ANSWER: Mr. Skullhead

b. (10 points) This aging canine is Slappy Squirrel's hopeless arch-nemesis.

ANSWER: Walter Wolf

c. (5 points) He wears a disguise to look like human guys, like P.G.T. Beauregard and Daniel Boone, but someone always gets to say, "I told you that guy was a chicken!"

ANSWER: Chicken Boo

d. (10 points) The jungle was nice, but way behind the times, for these two pachyderms. Name either of the Hip Hippos.

ANSWER: Flavio or Marita

BONUS 22 Literature:

Name these science-fiction authors from works on a 5-10-5-10 basis.

a. (5 points) The Toynbee Convector, Something Wicked This Way Comes

ANSWER: Ray Bradbury

b. (10 points) The Green Hills of Earth, The Cat Who Walks Through Walls

ANSWER: Robert A. Heinlein

c. (5 points) Nightfall, Fantastic Voyage II

ANSWER: Isaac Asimov

d. (10 points) The Ultimate Egoist, And Now The News...

ANSWER: Theodore Sturgeon

BONUS 23 Fine Arts:

Given the musical instrument, give the key in which they are built.

A) bass clarinet

Answer: B flat

B) flute

Answer: C

C) French (double) horn (TWO answers required)

Answer: F and B flat

BONUS 24 History:

Name these important battles of the Texas Revolution, FTPE.

a. The site of the Presidio La Bahia, this battle in March 1836 ended with the massacre of 350 Texan troops under Colonel James Fannin, despite Santa Anna's promise to be held as prisoners of war following their surrender.

ANSWER: Battle of **Goliad**

b. 189 Texas troops held off 2000 Mexican troops for weeks in this San Antonio fort. All Texas troops under Colonel Travis were killed, but Mexican casualties numbered over 1600.

ANSWER: Battle of the **Alamo**

c. Troops led by Sam Houston attacked Santa Anna's forces early on April 19, 1836. This final victory won the war for the Texas revolutionaries.

ANSWER: Battle of **San Jacinto**

BONUS 25 Current Events:

Name these leaders of right wing Christian organizations, FTPE.

a. Chairman of the Christian Coalition

ANSWER: Pat **Roberston**

b. Founder of the Campaign for Working Families and former President of the Family Research Council

ANSWER: Gary **Bauer**

c. Founder of Focus on the Family

ANSWER: Dr. James **Dobson**