

# FINAL ROUND

## First Half

(Tossup 1) **The Athenian general Cleon denounced this man's play *The Babylonians* as slander, and his subsequent plays mocked Cleon extensively. This man's works are the primary examples of the (\*) "Old Comedy" genre, and Plato identifies his slander of Socrates in his play *The Clouds* as a contributing factor to his trial and condemnation. For ten points, name this Greek playwright, often nicknamed the Father of Comedy.**

ANSWER: Aristophanes

(Bonus 1) This German created the Lehrstücke, or "lesson play". For ten points each,

[Part A] Name this German playwright who wrote *The Good Person of Szechwan*

ANSWER: Bertolt Brecht

[Part B] Brecht collaborated with composer Kurt Weill [VILE] on this musical play, which opens with a street singer describing the villainous Macheath in the song "Mack the Knife."

ANSWER: The Threepenny Opera

[Part C] This Brecht anti-war play follows Canteen Anna and her three kids, who pull her wagon from battlefield to battlefield during the Thirty Years War.

ANSWER: Mother Courage and Her Children

(Tossup 2) **Claude Couinaud names a system to segment this organ. Paracetamol poisoning mainly affects this organ, which along with the muscles, are involved in the Cori cycle. This organ, which includes macrophages known as (\*) Kupffer cells, gets blood from the portal vein. Cirrhosis is the chronic scarring of this organ, which can be caused by hepatitis viruses. For ten points, name this organ that produces bile and is often seen damaged in alcoholics.**

ANSWER: liver

(Bonus 2) These organs secrete surfactant to increase elasticity and facilitate gas exchange within their alveoli. For ten points each,

[Part A] Name these organs affected by conditions such as emphysema, mesothelioma, and asthma.

ANSWER: lungs

[Part B] This tube that connects the pharynx to the lungs branches into two bronchi, and it is often intubated to administer anesthesia or maintain an open airway.

ANSWER: trachea (accept windpipe)

[Part C] A sweat test is used to diagnose this genetic disorder, which causes thick mucus buildup in the lungs and may lead to frequent lung infections.

ANSWER: cystic fibrosis (accept CF)

(Tossup 3) **When he played the violin, this man was often accompanied by a pet mockingbird named Dick. This man built a plantation house named Poplar Forest near Lynchburg. This author of *Notes on the (\*) State of Virginia* also designed an estate outside Charlottesville which featured an iconic dome. The designer of Monticello was, for ten points, what Virginian who famously wrote “Life, Liberty and the pursuit of Happiness” in the Declaration of Independence?**

ANSWER: Thomas **Jefferson**

(Bonus 3) Near the end of the Civil War, this general launched the Overland Campaign. For ten points each,

[Part A] Name this Union general who successfully captured Fort Henry and Fort Donelson.

ANSWER: Ulysses S. **Grant**

[Part B] In 1863, Ulysses S. Grant led a successful siege of this city on the Mississippi River which famously fell on the 4th of July.

ANSWER: **Vicksburg**

[Part C] Ulysses S. Grant later defeated this Confederate general at the Siege of Petersburg and forced him to surrender at Appomattox Court House.

ANSWER: Robert E. **Lee**

(Tossup 4) **This philosopher included Clenches and Philo in his *Dialogues Concerning Natural Religion*. This philosopher noted that people’s minds combine simple ideas together to understand complex ideas in his (\*) “copy principle.” This man distinguished between impressions and ideas through a man who experiences all colors except for a “missing shade of blue.” For ten points, name this Scottish empiricist who wrote *An Enquiry Concerning Human Understanding*.**

ANSWER: David **Hume**

(Bonus 4) This philosopher wrote the essay *Answering the Question: What is Enlightenment?*. For ten points each,

[Part A] Name this German philosopher who popularized the terms “A priori” and “A posteriori” and introduced the “Categorical Imperative”.

ANSWER: Immanuel **Kant**

[Part B] This Immanuel Kant work discussed synthetic a priori judgments and was followed by the similarly named *Critique of Practical Reason*.

ANSWER: **Critique of Pure Reason**

[Part C] Immanuel Kant created a namesake theory of this concept. This concept involves analyzing concepts of right and wrong and addresses morality.

ANSWER: **Ethics**

(Tossup 5) **A spiral named for these numbers can be formed by repeatedly attaching squares on the long side of a rectangle. Dividing one of these numbers by the previous one gives a result close to the (\*) golden ratio.** This sequence of numbers, originally used to count rabbits, can be generated by adding the two previous numbers to get the next one. For ten points, name this sequence of numbers named for an Italian mathematician that begins 1, 1, 2, 3, 5.

ANSWER: **Fibonacci** numbers (or **Fibonacci sequence**)

(Bonus 5) A holiday named for this number is celebrated on March 14th. For ten points each,

[Part A] Identify this number from geometry that is equal to the circumference of a circle divided by the diameter. The fraction 22 sevenths is used as an approximation for this irrational number.

ANSWER: **pi**

[Part B] Another useful approximation for pi is the square root of this whole number.

ANSWER: **10**

[Part C] The quantity equal to two times pi is referred to by this Greek letter. A 2010 manifesto argued that this constant is more useful than pi.

ANSWER: **tau**

(Tossup 6) **This author's memoir *The Platform of Time* discussed her involvement in the *Dreadnought* Hoax. A novel by this author that is set during a single day features a WW1 veteran who is married to Lucrezia and eventually (\*) commits suicide.** In one essay, this author famously argued, "A woman must have money and a room of her own if she is to write fiction." For ten points, name this author of *Mrs Dalloway* and *To the Lighthouse*.

ANSWER: Virginia **Woolf**

(Bonus 6) This man was described as "mad, bad, and dangerous to know" by his lover Lady Caroline Lamb. For ten points each,

[Part A] Name this British author of *Don Juan*.

ANSWER: Lord **Byron**

[Part B] Lord Byron also wrote this famous poem which notes that "all that's best of dark and bright / Meet in her aspect and her eyes" and mentions "A heart whose love is innocent!"

ANSWER: **She Walks in Beauty**

[Part C] Lord Byron died at Missolonghi while fighting for the independence of this country from the Ottoman Empire.

ANSWER: **Greece**

(Tossup 12) **This god's death was avenged when Rindr gave birth to a son who on his first day alive killed the figure responsible for this god's death. This god fathered a god of justice named Forseti. This husband of Nanna was killed by his twin brother (\*) Hodr** after Loki created a special arrow made of mistletoe, which this man's mother Frigg forgot to ask not to harm this god. For ten points, name this brother of Vali and Thor, a son of Odin.

ANSWER: **Baldr**

(Bonus 12) One of these creatures is depicted on the Ouroboros symbol. For ten points each,

[Part A] Name these creatures which were legendarily banished from Ireland by Saint Patrick.

ANSWER: **Snakes**

[Part B] This giant snake-like creature pursued Leto and was later killed by the arrows of Apollo.

ANSWER: The **Python**

[Part C] This protector goddess of Egypt is often depicted as either a snake-headed woman or a snake. This goddess is sometimes depicted coiled atop the head of Ra in the form of a cobra.

ANSWER: **Wadjet**

## Sixty-Second Rounds

The categories are . . .

1. Charles Dickens
2. 20th Century China
3. Extinct Animals

CHARLES DICKENS

In the life of Charles Dickens, name the...

(1) Titular orphan who joins Fagin's band of thieves and states "Please, sir, I want some more."

ANSWER: **Oliver Twist**

(2) Novel centering on the orphan Pip that features characters like Estella and Abel Magwitch.

ANSWER: **Great Expectations**

(3) Novel whose protagonist marries Agnes Wickfield and helps expose Uriah Heep?

ANSWER: **David Copperfield**

(4) Character who takes Charles Darnay's place at the guillotine in A Tale of Two Cities? ANSWER: **Sydney Carton** [accept either underlined name]

(5) Novel featuring Josiah Bounderby and the schoolteacher Thomas Gradgrind that reflects Victorian social conditions?

ANSWER: **Hard Times**

(6) Character who may have been murdered by John Jasper who appears in a novel titled for The Mystery of this character?

ANSWER: **Edwin Drood**

## 20TH CENTURY CHINA

Name the...

(1) Island to which Nationalist forces retreated after their defeat in the Chinese Civil War.

ANSWER: **Taiwan**

(2) Communist Party Chairman who led China for decades and oversaw the Cultural Revolution.

ANSWER: **Mao** Zedong

(3) Region of China which the Japanese occupied in the 1930s and renamed Manchukuo.

ANSWER: **Manchuria**

(4) Paramount leader of China for most of the 1980s whose tenure in office corresponded with rapid economic growth.

ANSWER: **Deng** Xiaoping

(5) Chinese leader who was succeeded by Xi Jinping in 2012.

ANSWER: **Hu** Jintao

(6) Chinese Marshal who died in a 1971 plane crash in Mongolia and may have planned to usurp power through Project 571.

ANSWER: **Lin** Biao

## EXTINCT ANIMALS

Name the...

(1) Large woolly extinct animal with long curved tusks.

ANSWER: **Mammoths**

(2) Extinct flightless bird native to Mauritius which was wiped out by sailors and invasive species.

ANSWER: **Dodo**

(3) Extinct predatory big cat with long, curved teeth from which it gets its name. ANSWER: **Saber-toothed** Cat (Accept **Saber-toothed** Tiger)

(4) Extinct species of pigeon native to North America. Martha, the last of this species, died in 1914 at the Cincinnati Zoo.

ANSWER: **Passenger** Pigeon

(5) Extinct carnivore native to an Australian island. A famous black and white photo depicts Benjamin, the last of this species.

ANSWER: **Thylacine** (Accept **Tasmanian Tiger**, accept **Tasmanian Wolf**)

(6) Large flightless bird with a 3-letter name native to the North Atlantic that went extinct in the mid 19th century.

ANSWER: Great **Auk**

## Second Half

(Tossup 8) **In 1611, this man created his namesake refracting telescope by improving on a design by Galileo. This author of *Astronomia nova* arrived at his most famous discoveries by analyzing data from his (\*) Danish mentor. This man stated that a line segment joining a planet and the sun sweeps out equal areas over equal time. Tycho Brahe was the mentor of, for ten points, what German astronomer who published three laws of planetary motion?**

ANSWER: Johannes Kepler

(Bonus 8) This planet is often described as Earth's twin. For ten points each,

[Part A] Name this second planet from the sun, a terrestrial planet known for its hostile environment.

ANSWER: Venus

[Part B] Venus was explored by this series of similarly-named Soviet probes, most of which ceased to function shortly after landing on Venus.

ANSWER: Venera Probes

[Part C] Any water once present on Venus would have been boiled away due to the runaway form of this effect. The high amount of carbon dioxide in Venus's atmosphere contributed to this effect.

ANSWER: Runaway greenhouse effect

(Tossup 9) **The Battle of Jarama occurred during this conflict, as did two battles of the Corunna Road. The Garibaldi Battalion and a unit of American volunteers named after Abraham Lincoln were among the (\*) International Brigades that fought in this conflict. The winning side of this conflict was aided by German forces known as the Condor Legion. For ten points, name this conflict in which the Republicans were defeated by Francisco Franco's Nationalists.**

ANSWER: Spanish Civil War

(Bonus 9) This man constructed the Domus Aurea. For ten points each,

[Part A] Name this last emperor of the Julio-Claudian dynasty who fiddled while Rome burned.

ANSWER: Nero

[Part B] Nero's suicide led to the Year of the Four Emperors, which concluded with this man taking power. This emperor of the Flavian dynasty started construction of the Colosseum.

ANSWER: Vespasian

[Part C] Vespasian was succeeded by this emperor, his elder son who was later succeeded by Domitian. ANSWER: Titus

(Tossup 10) **The Inga dams harness hydroelectric power from this river. Lualaba is the name of this River upstream of Boyoma Falls, while its source lies at the Chambeshi River. This river can be crossed by the Matadi and (\*) Kongolo bridges, the latter of which is in the province of Katanga. The cities of Brazzaville and Kinshasa are separated by this river. For ten points, name this Central African river that shares its name with a Democratic Republic.**

ANSWER: Congo River

(Bonus 10) This continent is the driest and windiest continent. For ten points each,

[Part A] Name this southernmost continent on Earth mostly covered by ice.

ANSWER: **Antartica**

[Part B] This American research station is the largest community in Antarctica and is located in a dependency claimed by New Zealand.

ANSWER: **McMurdo** Station

[Part C] McMurdo Station is located at this ice shelf. This ice shelf is the largest ice shelf of Antarctica and is named after a British explorer.

ANSWER: **Ross** Ice Shelf

(Tossup 11) **A correction to this law has a term symbolized “b” and another term written as “a n-squared over V squared.” The Van der Waals equation corrects this law which shares a name with a constant equal to (\*) 8.314 joules per mole kelvin which is symbolized R.** This law is a combination of laws named after Avogadro, Gay-Lussac, Charles, and Boyle. For ten points, name this equation of state that is often stated  $P V$  equals  $n R T$ .

ANSWER: **ideal gas** law or equation

(Bonus 11) The Kennedy-Thorndike experiment shortened one arm of the classical interferometer used in this earlier experiment. For ten points each,

[Part A] Name this experiment that used a beam splitter to disprove the existence of the luminiferous ether.

ANSWER: **Michelson-Morley** experiment

[Part B] The Michelson-Morley experiment measured this quantity in two perpendicular directions. This quantity symbolized  $c$  is the maximum speed at which matter can travel.

ANSWER: **Speed of light**

[Part C] The results of the experiment led Hendrik Lorentz to hypothesize that this property of an object “contracts” in the direction of travel at speeds approaching the speed of light.

ANSWER: **Length** (accept **length contraction**)

(Tossup 12) **In one work, this author wrote about the life of Claude Wheeler, who ultimately enlists in the US army. This Pulitzer-winning author of *One of Ours* also wrote a work which follows Swedish-American immigrants such as (\*) Alexandra and Emil Bergson. Another work by this author features Jim’s friendship with the title Bohemian girl. The Prairie Trilogy was written by, for ten points, what author of *O Pioneers!* and *My Antonia*?**

ANSWER: Willa **Cather**

(Bonus 12) This semi-autobiographical novel follows a gifted Barnard graduate who has a nervous breakdown. For ten points each,

[Part A] Name this work in which Esther Greenwood wins a coveted internship at Ladies Day magazine but finds her desire for intellectual achievement and independence to be at odds with society’s expectations.

ANSWER: The **Bell Jar**

[Part B] This author of *The Bell Jar* and the poetry collection *Ariel* moved to England after marrying fellow poet Ted Hughes.

ANSWER: Sylvia **Plath**

[Part C] This Plath poem is addressed to her father, “A man in black with a Meinkampf look.”

ANSWER: **Daddy**

(Tossup 13) **A viral YouTube video by Google India used this event to advertise Google Search. This event was supposed to take place in June 1948 but was hastened to August of 1947 by Lord Mountbatten. This event has been described as the (\*) largest mass migration in human history. For ten points, name this event that resulted in the displacement and deaths of millions of Hindus, Muslims, and Sikhs, and occurred right after the independence of India and Pakistan.**

ANSWER: **Partition of India** (prompt on Partition; prompt on Independence of India and/or Pakistan before read)

(Bonus 13) In 2015, Boko Haram swore allegiance to this organization. For ten points each,

[Part A] Name this terrorist organization that formed a “caliphate” across Syria and Iraq.

ANSWER: **ISIS** (Accept **ISIL**, accept **Daesh**, accept **Islamic State of Iraq and Syria**, accept **Islamic State of Iraq and the Levant**, accept **Islamic State**)

[Part B] In 2014, ISIS captured this major city in northern Iraq that became the largest city under ISIS control. This city was later retaken by Iraqi forces in 2017.

ANSWER: **Mosul**

[Part C] ISIS is currently led by this man, their self-proclaimed Caliph.

ANSWER: Abu Bakr **Al-Baghdadi**

(Tossup 14) **In this painting, ten medallions depicting the Passion of Christ surround an object that hangs on a wall next to a dustbroom. Three oranges on top of a cabinet in this painting may represent fertility, and a small dog on the floor represents loyalty. A pair of (\*) clogs sits on the floor on the left side of this painting, near the feet of a man in a large black hat and a woman wearing a rich green gown. For ten points, name this double portrait of an Italian couple, painted by Jan Van Eyck.**

ANSWER: The **Arnolfini** Wedding (accept The **Arnolfini** Portrait; accept The **Arnolfini** Marriage; accept Portrait of Giovanni **Arnolfini** and his Wife or Giovanni **Arnolfini** and his Bride)

(Bonus 14) An artwork from this movement depicts a bronze sculpture of a figure in motion called Unique Forms of Continuity in Space. For ten points each,

[Part A] Name this early 20th-century art movement pioneered by artists such as Umberto Boccioni and Filippo Marinetti, who wrote its namesake “Manifesto.” This movement emphasized motion and violence.

ANSWER: **Futurism**

[Part B] Futurism was founded in this country, home to other Futurists like Giacomo Balla and Gino Severini.

ANSWER: **Italy** [or **Italian Republic**; or **Italia**; or Kingdom of **Italy**]

[Part C] An artwork from the Futurist movement depicts a blurred one of these animals titled for the “Dynamism” of one of them. One of these animals lies at the foot of a bed in an earlier Italian artist’s Venus of Urbino.

ANSWER: **Dogs**

## Tiebreakers

(Tossup 15) **This work was the subject of November 1929 panel in Ripley’s Believe it or Not!. A 2005 Project about this work featured the Oak Ridge Boys as ambassadors. The tune of this piece was taken from a (\*) John Stafford Smith work titled “To Anacreon in Heaven” while its lyrics were inspired by a military action during the War of 1812. Francis Scott Key wrote the lyrics of, for ten points, what national anthem of the United States?**

ANSWER: The **Star-Spangled Banner** (Accept **United States National Anthem**) until mentioned)

(Bonus 15) This composer created works such as “Tales from the Vienna Woods” and “Tritsch-Tratsch- Polka”. For ten points each,

[Part A] Name this Austrian composer of *The Blue Danube*.

ANSWER: Johan **Strauss II** (Accept Johann **Strauss Jr.**, accept **Strauss the Younger**, prompt on “Strauss”)

[Part B] *The Blue Danube* and “Tales from the Vienna Woods” are musical pieces of this type, which Strauss II was called the “king” of.

ANSWER: **Waltz**

[Part C] This operetta by Strauss II features Eisenstein who abandons a drunk Falke in the center of town while Falke is dressed as the title animal.

ANSWER: **Die Fledermaus** (Accept **The Flittermouse**, accept **The Bat**)