

# Regional Academic Bowl – Round 3

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## First Quarter

(1) A squadron of two steamers and two sailing vessels led by Matthew Perry landed in this city's bay in 1853 to end the Sakoku policy. Aum Shinrikyo launched a 1995 sarin gas attack on the subway of this city, which was targeted during the Doolittle Raid. During the Meiji restoration, the emperor's seat was moved from Kyoto to, for ten points, what city formerly known as Edo, the modern capital of Japan?

ANSWER: **Tokyo** (or **Tokyo** Metropolis; or **Tōkyō**-to; accept **Edo** before read)

(2) This object is the subject of the Deep Fields Initiative 2012. Originally launched in 1990, this low orbit object is capable of detecting UV, near-infrared, and visible light. The COSMOS project involved the use of this object, which captured the earliest images of a non-solar star. Having its primary function replaced by an object named for James Webb for ten points, what is this telescope named for an American astronomer?

ANSWER: **Hubble** Space Telescope (accept **HST**)

(3) This person swam across the Hellespont in 1810 to imitate the journey of Leander. In *The Curse of Minerva*, this person denounced the removal of marbles from Athens by Lord Elgin. This author's only legitimate child was Ava Lovelace, and he wrote the long poems *Childe Harold's Pilgrimage* and *Don Juan* [[JOO-ahn]]. For ten points, name this Romantic British poet who died during the Greek War of Independence.

ANSWER: Lord **Byron** (or George Gordon **Byron**, 6th Baron Byron)

(4) August 16 was the 2024 date of a holiday to celebrate this action, which was codified into law with a 1959 act that changed the status of its subject from a territory. In 1919, a bill calling for this action was introduced by Prince Jonah Kuhio Kalanianaʻole. For ten points, name this action by which an archipelago containing Molokai and Maui became a part of the Union.

ANSWER: **admission of Hawaii** as a state of the United States of America (accept answers involving **Hawaii becoming a state**)

(5) In 2002, one of these objects dated to the Chalcolithic period was found in the Ljubljana [[LYOOB-lyah-nah]] Marshes. George Cayley invented a variety of these objects that use wire spokes to connect two of their components. The outer edge of these objects can be referred to as their rims. Intended to turn via an axle bearing, for ten points, what are these circle objects that allow vehicles to roll?

ANSWER: **wheels**

(6) This company's reputation suffered with the widely panned 2020 film *Earwig and the Witch*. This studio, which created the World War Two-set film *Grave of the Fireflies*, won Academy Awards for 2023's *The Boy and the Heron*, as well as 2001's *Spirited Away*, both directed by Hayao Miyazaki. For ten points, name this Japanese animation studio known for *Howl's Moving Castle* and *My Neighbor Totoro*.

ANSWER: Studio Ghibli (or Sutajio liburi)

(7) This geographic feature is slightly longer than another it adjoins in the Gulf of Guinea at the site of a floating monument named for soul music. This feature is partly home to Null Island, whose existence began as a joke, but which now serves globally important functions. For ten points, name this feature about 24,901 miles wide and located at zero degrees latitude where it divides the globe into Northern and Southern Hemispheres.

ANSWER: equator (prompt on "zero degrees latitude")

(8) Seven years after the publication of this book, its author followed it up with a companion novel titled *Gathering Blue*. A child named Gabriel is taken in by the father of the protagonist of this work, who anticipates being assigned work at the Ceremony of the Twelve. That event results in the protagonist becoming the Receiver of Memory. For ten points, name this 1994 Newbery Medal-winning book by Lois Lowry.

ANSWER: *The* Giver

## Second Quarter

(1) Success in an 1864 war prompted the design of this city's Victory Column. A bronze sculpture of a quadriga can be found at the top of a neoclassical monument in this city which was completed in 1791. Rococo designs were made for the interior of the Charlottenburg Palace in this city, whose public squares include Potsdamer Platz. Home to the Brandenburg Gate, this is, for ten points, what capital city of Germany?

ANSWER: **Berlin**

BONUS: The northern part of Spree Island is named for these types of complexes, which include ones called "Old" and "New" as well as one named for the Pergamon Altar held within.

ANSWER: **museums** (accept **Museum** Island or **Museum**sinsel)

(2) A treatise published by Archimedes was titled "On the Sphere and" this shape. The addition of a z-axis can create a coordinate system named for this shape, and the formula "pi times radius squared times height" can be used to find the area of these shapes. For ten points, name these three-dimensional shapes made of two circular bases connected to each other.

ANSWER: **cylinder**

BONUS: A cylinder is also a term used to describe this disk, which fits within a tube and moves upward and downward against a gas or liquid, as seen in steam-powered locomotives.

ANSWER: **piston**

(3) This country's southern provinces of Pattani and Yala have majority Muslim populations. This country is home to the cities of Pattaya and Chiang Rai, and a proposed canal across this country's Isthmus of Kra would connect to the Andaman Sea. Formerly known as Siam, this is, for ten points, what country bordering Laos and Malaysia, the world's most populous to have a Buddhist majority, and is governed from Bangkok?

ANSWER: **Thailand** (or Ratcha Anachak **Thai**; or Prathet **Thai**; accept **Siam** before read)

BONUS: The Gulf of Thailand, which bounds the Isthmus of Kra, connects to this larger sea home to the Spratly Islands disputed between Vietnam and the Philippines.

ANSWER: **South China** Sea

(4) A poem set in this state describes a group as "Sick as a dog to these Atlantic shoals" and is set in a Quaker graveyard. Robert Lowell authored the aforementioned poem set in a major whaling city of this state, which is also home to the the Old North Church that a man travels to during a midnight ride. For ten points, name this New England state where poems are set in cities like Nantucket and Boston.

ANSWER: **Massachusetts**

BONUS: This novel begins as its protagonist, Ishmael, arrives in New Bedford, Massachusetts in hopes of signing up for a whaling voyage.

ANSWER: **Moby-Dick** (or **Moby-Dick**; or, *The Whale*)

(5) One example of this type of geographical feature, the Isthmus of Darien, was the focus of an 1892 financial corruption scandal. Another example of this feature once existed in the present location of the Diomed Islands and several places named for Vitus Bering. Another example of this feature is a peninsula that has been part of Egypt since its First Dynasty. For ten points, name these geographical features that allow populations to cross between otherwise disconnected areas.

ANSWER: **land bridges** (prompt on "isthmus")

BONUS: Doggerland once connected Great Britain to mainland Europe but is now covered by this large sea.

ANSWER: **North** Sea

(6) The rediscovery of Vitruvius's "De Architectura" influenced architecture during this cultural period, and the invention of the printing press by Johannes Gutenberg accelerated the spread of knowledge during this time. This period saw the rise of humanism and a renewed interest in classical learning. For ten points, name this period of cultural "rebirth" in Europe that bridged the Middle Ages and modern history, lasting from the 14th to the 17th century.

ANSWER: **Renaissance** (prompt on "Reformation" before "humanism" is read)

BONUS: The Renaissance flourished in this major Italian city, which thrived under the patronage of the Medici family.

ANSWER: **Florence** (or **Firenze**)

(7) Keratoisididae is another name for the "bamboo" variety of these organisms. Though not jellyfish, these invertebrates are part of the Anthozoa subphylum of Cnidaria [[NY-dare-ee-uh]]. The whitening of these organisms occurs in a process known as bleaching, which is characterized by their loss of symbiotic algae. For ten points, name these marine organisms who can form ecosystems known as their namesake reefs.

ANSWER: **corals** (accept bamboo **coral**; accept **coral** reefs)

BONUS: This squishy, water-filled marine invertebrate differs from coral as it possesses stinging tentacles and can move. This invertebrate is notable for having a symbiotic relationship with clownfish.

ANSWER: sea **anemone** [[ah-neh-MOH-nee]]

(8) A playwright from this nation fictionalized the life of the real nobleman Cyrano de Bergerac [[see-rah-NOH deh behr-jur-RAK]]. Another playwright from this nation died from tuberculosis on stage while performing in his own play, *The Imaginary Invalid*. The pamphlet *J'Accuse...!* was written in this country as a response to the Dreyfus Affair. For ten points, name this nation of authors like Edmond Rostand, Molière, and Émile Zola.

ANSWER: **France** (accept equivalents like Kingdom of **France** or **French** Empire or **French** Republic)

BONUS: Other luminary French writers include this pioneer of science fiction who composed such adventure classics as *The Journey to the Center of the Earth* and *Twenty Thousand Leagues Under the Seas*.

ANSWER: Jules **Verne** (or Jules Gabriel **Verne**)

### Third Quarter

The categories are:

1. Jazz
2. New York Geography
3. Scientists

**Jazz**

Concerning the musical genre of jazz, name the...

- (1) Single-reed woodwind instrument whose alto, tenor, and baritone types often play improvisational solos in jazz.

ANSWER: saxophone

- (2) Jazz trumpeter nicknamed "Satchmo" known for his recording of "What a Wonderful World."

ANSWER: Louis Armstrong (or Louis Daniel Armstrong)

- (3) Jazz trumpeter and bandleader behind the albums *Birth of the Cool* and *Kind of Blue*.

ANSWER: Miles Davis (or Miles Dewey Davis III)

- (4) Instrument played by the jazz greats Benny Goodman and Artie Shaw.

ANSWER: clarinet

- (5) Billy Strayhorn standard popularized by Duke Ellington, named for a popular transportation route.

ANSWER: "Take the 'A' Train"

- (6) Either musician who name a bossa nova album featuring "The Girl From Ipanema" and "Corcovado."

ANSWER: Stan Getz OR João Gilberto

*New York Geography*

Concerning the geography of New York, name the...

- (1) Street which serves as a financial hub and is home to the New York Stock Exchange.

ANSWER: **Wall** Street

- (2) State capital, which is located 150 miles north of NYC.

ANSWER: **Albany**

- (3) Island that houses the Hamptons and Montauk, as well as Brooklyn.

ANSWER: **Long** Island

- (4) Northern mountain range home to Lake Placid and Mount Marcy.

ANSWER: **Adirondacks** (or **Adirondack** Mountains)

- (5) Region of western New York named for bodies of water including Cayuga and Seneca.

ANSWER: **Finger** Lakes

- (6) Body of water on which the city of Plattsburgh and Ausable Chasm are located.

ANSWER: Lake **Champlain**

*Scientists by Accomplishment*

Concerning scientists and their accomplishments, name the...

- (1) German-born physicist who founded the photoelectric effect and developed the theory of relativity.

ANSWER: Albert **Einstein**

- (2) English polymath who developed calculus and formulated three laws of motion, possibly inspired by a falling apple.

ANSWER: Sir Isaac **Newton**

- (3) Polish-born chemist and physicist who became the first person, not just woman, to win a Nobel Prize in two different scientific fields.

ANSWER: **Marie Curie** (or Maria Salomea Skłodowska-**Curie**; accept Maria Salomea **Skłodowska**)

- (4) Italian-American physicist who designed the world's first artificial nuclear reactor, Chicago Pile-1.

ANSWER: Enrico **Fermi**

- (5) New Zealand physicist who ran the gold foil experiment and discovered the proton.

ANSWER: Ernest **Rutherford**

- (6) Austrian monk who formulated the law of segregation and the law of independent assortment while studying pea plants.

ANSWER: Gregor **Mendel** (or Gregor Johann **Mendel**)



#### Fourth Quarter

(1) The Church of Saint George is among eleven rock-hewn churches in this country's city of Lalibela. This is the only country in which Oromo is an official language, and (+) Tigray can be found in the north of this "Federal Democratic Republic," which is located within the (\*) Horn of Africa region. Bordered by Eritrea to the northeast, for ten points, what is this East African country governed from Addis Ababa?

ANSWER: Ethiopia

(2) One of these objects was discovered by Heinrich Wilhelm Matthias Olbers in 1802. The third-largest of these objects is known as Pallas, and the Roman goddess of the (+) hearth is the namesake of one of these bodies named Vesta. The term minor planets is often applied to these bodies, many of which lie in a region between (\*) Mars and Jupiter. For ten points, name these objects found in a namesake "belt" of the Solar System.

ANSWER: asteroids (accept asteroid belt; prompt on "minor planet" before read)

(3) One character in this work claims that a certain figure "struts and frets his hour upon the stage" after declaring "Life's but a walking stage." Inverness is the location of a castle in this play, in which one (+) prophecy is declared by a group of three witches. Banquo is a general of King Duncan in this play, whose title character seizes Duncan's throne. (\*) For ten points, name this William Shakespeare play about a King of Scotland.

ANSWER: *The Tragedy of* Machbeth

(4) One person in this occupation described being taken to a goddess who told him about the Way of Truth and the Way of Opinion in a fragmentary poem. A myth preserved by one person in this occupation describes a man who visits the afterlife but (+) retains his memories by not drinking from the River Lethe. The Myth of Er and the story of Atlantis both originated from the dialogues of, (\*) for ten points, what profession of thinkers who included Parmenides and Plato?

ANSWER: philosophers (prompt on "Greeks"; prompt on "teachers"; prompt on "writers")

(5) The "geometric" variety of this quantity minimizes the sum of distances to sample points. The line within the box of a box plot (+) represents this statistical quantity. In income calculations, this value is often used instead of mean in order to find the (\*) center of the distribution. For ten points, name this value of a data set that finds the "middle."

ANSWER: median

(6) This person pitched the longest complete postseason game, surrendering only a single run over 14 innings, and notched nine shutouts in a season where he started 40 games. This athlete's only MVP (+) came in a season where he hit the first home run in the "house that" he built. (\*) For ten points, name this "Great Bambino," a legendary Yankees slugger who led baseball in home runs twelve times.

ANSWER: Babe Ruth (or George Herman Ruth)

(7) **Bands of alternating colors that form on these entities are sometimes known as ogives [[OH-“jives”]]. These entities can experience a type of weathering called plucking, and the accumulation of debris around these entities can lead to (+) moraines. A namesake form of till refers to the sediment around these bodies, which can experience calving (\*) and constantly move downhill due to their weight. For ten points, name these large bodies of ice.**

ANSWER: **glaciers** (prompt on "ice" before read)

(8) **This writer feuded with a namesake author in the so-called "Longfellow War." This writer was the subject of an unflattering obituary by Rufus Griswold, who compiled an anthology that included this writer's poem (+) "The Haunted Palace." This writer described the detective work of C. Auguste Dupin in "The Purloined (\*) Letter" and "Murders in the Rue Morgue." For ten points, name this American author of "The Raven" and "The Tell-Tale Heart."**

ANSWER: Edgar Allen **Poe**

### Extra Question

(1) **M. Athalie Range was the first African-American since Reconstruction to direct one of this U.S. state's agencies. Richard Nixon nominated Judge G. Harrold Carswell of this southern state to fill Abe Fortas' (+) vacant seat on the Supreme Court. One senator from this state unsuccessfully challenged John Thune of North Dakota for the position of majority leader. (\*) For ten points, name this U.S. state home to Rick Scott and Ron DeSantis.**

ANSWER: **Florida**

BONUS: Ozone is a gas molecule composed of three atoms of this element, which also bonds with a single carbon atom to form a poisonous gas.

ANSWER: **oxygen** (prompt on "O")