

Round 1

Tossups

(Tossup 1) A character in this work was inspired by the legendary David Singleman to go into his profession. Howard Wagner employs a character in this work who regrets not going to Alaska with his brother Ben. This work's protagonist is the father of Biff and he later gets into a fatal car accident so that his family can collect his life insurance money. For the point, name this Arthur Miller work about the death of Willy Loman.

ANSWER: Death of a Salesman

(Tossup 2) Robert Caro wrote about how this politician prevailed in a 1948 Senate election through the mysterious Box 13. A popular chant about this politician asked "how many babies did you kill today?" in reference to the My Lai Massacre. This man defeated Barry Goldwater in 1964 to retain the presidency, which he gained after an event in Dallas. For the point, name this Democratic president who escalated US involvement in Vietnam and succeeded John F. Kennedy.

ANSWER: Lyndon Baines Johnson (accept LBJ; prompt on "Johnson") [USABB Nats]

(Tossup 3) This is the number of faces on a truncated icosahedron, which is the shape of the common soccer ball. A molecule with this many carbon atoms is known as a Buckyball. The counting system used in ancient Babylon has this number as a base. This two digit number is used as the base of the sexagesimal system. For the point, give this number with prime factorization 2, 2, 3, and 5 that is equal to the number of minutes in an hour.

ANSWER: 60

(Tossup 4) The authors of the 1964 PRL papers inspired the project leading to this object's discovery won the 2010 Sakurai Prize. In 2013, the man who lends his name to this object won a Nobel Prize in Physics. This first ever scalar particle observed in nature was also known as the "God" particle. For the point, name this subatomic particle responsible for carrying mass that was discovered by the Large Hadron Collider at CERN in 2012.

ANSWER: Higgs Boson

(Tossup 5) In this work, a senator complains that a character "doth bestride the narrow world / Like a Colossus." In this work, an orator asks the populace "What cause withholds you then to mourn for him?" while standing over the corpse of the title character. Later in this work, the ghost of a character warns that "Thou shalt see me at Philippi". For the point, in what Shakespearean play does a Roman leader ignore the warning of a soothsayer to "Beware the ides of March!"

ANSWER: Julius Caesar (Accept The Tragedy of Julius Caesar)

(Tossup 6) A version of this artwork can be found outside Grawemeyer Hall, while another can be found outside Philosophy Hall at Columbia University. This artwork was initially named *The Poet* and originated as a small part of a huge bronze work based on Dante's Divine Comedy, *the Gates of Hell*. For the point, what statue by Auguste Rodin of a seated man, chin resting on his right hand, has come to personify contemplation?

ANSWER: **The Thinker**

(Tossup 7) Operation Lotus was an invasion of one of this country's colonies. The MFA was a group of young officers in this country who helped to overthrow a regime led by Marcelo Caetano. This country attempted to hinder independence groups such as MPLA and FRELIMO, although they shortly gained independence after the fall of this country's Estado Novo regime. For the point, the Carnation Revolution took place in which country on the Iberian peninsula?

ANSWER: **Portugal**

(Tossup 8) According to legend, a temple dedicated to this goddess burned down on the day of Alexander the Great's birth. The daughters of Niobe were killed by this goddess. The hunter Actaeon was turned into a stag by this goddess and killed by his own hunting dogs. This goddess may have been tricked into killing her lover Orion. This virgin goddess was the daughter of Leto and sister of Apollo. For the point, name this Greek goddess of the hunt.

ANSWER: **Artemis**

(Tossup 9) Amartya Sen and Martha Nussbaum came up with the capability approach to improve this measurement. The Human Development Index measures the standard of living as a logarithmic function of this measurement. Bhutan publishes a Gross National Happiness measurement as an alternative to this measurement which can be measured using either nominal or PPP dollars. For the point, name this monetary measurement, the total value of all the final goods and services produced in a country.

ANSWER: **Gross Domestic Product** (accept **GDP**)

(Tossup 10) The discovery of extragalactic Cepheid variable stars by Edwin Hubble later enabled the distance of this entity to be calculated. William Parsons, 3rd Earl of Rosse made the first drawing of this entity's spiral structure. Also known by the number 31 in the Messier catalogue, this is largest member of the Local group. Ftp, name the nearest major galaxy to the Milky Way, with which a collision is predicted.

ANSWER: **Andromeda**

(Tossup 11) Before a major battle in this novel, one character remarks that the approaching "day [will] be his Toulon, or his Arcola". After that battle, his wife dies in childbirth, and this novel's protagonist is married to the daughter of Prince Kuragin. That character in this novel later marries Natasha Rostov and vows to kill Napoleon. Ftp, name this novel about Pierre Bezukhov set during Napoleon's invasion of Russia, written by Leo Tolstoy.

ANSWER: **War and Peace**

(Tossup 12) This ruler consolidated power by defeating Licinius at the Battle of Chrysopolis. This emperor put the sign of the chi-rho on his army's shields after having a vision. This ruler moved his capital to a colony on the Bosphorus. This ruler was victorious over Maxentius at the Battle of Milvian Bridge and moved the capital of the Roman Empire to Byzantium, later to be named after this man. For the point, name this first Christian Roman Emperor.

ANSWER: Constantine I (accept Constantine the Great; prompt on Constantine)

(Tossup 13) Exploration of this river was historically blocked by the Sudd Swamps. One source of this river is located in the Amhara region and named Lake Tana. This river's White and Blue tributaries meet near the town of Khartoum. The annual flooding of this river was stopped after the construction of the Aswan High Dam. Cities located at this river's delta include Port Said and Alexandria. The ancient Egyptian civilization developed along, for the point, what longest river in Africa?

ANSWER: Nile River

(Tossup 14) Kinetochores form at the centromere of this body and attach to spindle microtubules that extends from poles. The Pac-man mechanism pulls these bodies at the centromere to the ends of cells upon cell division. Ends of this body are protected from erosion upon replication by telomeres, which are short tandem-repeats of a DNA sequence. For the point, name these condensed strands of DNA, where 46 of them would be found in a typical human cell.

ANSWER: chromosome

(Tossup 15) This leader was born into the Banu Hashim clan of the Quraysh [Kir-AYSH] tribe during the Year of the Elephant. Most details known about his life come from sirah [SEE-ra] literature and many of his teachings can be found in the Hadith [Ha-DEETH]. This man was meditating in a cave on Mount Hira when the angel Gabriel appeared to him. The revelations delivered to this religious leader became the text of the Quran. For the point, name this founder of Islam

ANSWER: Muhammad

(Tossup 16) The Niagara was the relief flagship for one commander during this war after the Lawrence was disabled. During this war, James Richard Dacres attacked Isaac Hull's ship, the oldest commissioned naval vessel still afloat today. That ship, nicknamed "Old Ironsides", distinguished itself during this war. Oliver Hazard Perry and USS Constitution contributed fought in the Battle of Lake Erie during, for the point, what war between the USA and Britain?

ANSWER: War of 1812

(Tossup 17) In this story, a shattered pumpkin was found along the road to a church after the disappearance of its protagonist who competes with another man to marry a daughter of the van Tassel family. That protagonist of this story races to the Old Dutch Burying Ground after seeing the ghost of a Hessian trooper whose head was not on his shoulders, but his saddle. For the point, name this Washington Irving story where Ichabod Crane meets a headless horseman.

ANSWER: The Legend of Sleepy Hollow

(Tossup 18) At the age of five, this musician threw his arms around the neck of Maria Theresa and kissed her profusely. One of this man's operas, featuring the coloratura aria "Der Holle Rache," [der hul-uh ROCK-uh], drew on his experience in a Masonic Lodge. This man died at 35, leaving his last work unfinished, and was buried in a pauper's grave. For the point, name this composer of works such as the Magic Flute and the Requiem in D minor.

ANSWER: Wolfgang Amadeus Mozart

(Tossup 19) The lower part of this region is home to LLSVPs and ULVZs. The asthenosphere is a viscous, ductile area in the upper part of this region. The Mohorovicic discontinuity is the boundary between this region and the one above it, while the D double-prime layer is the boundary between this region and the one below. For the point, name this mostly solid layer of the Earth between its crust and core that forms most of its interior.

ANSWER: Mantle

(Tossup 20) The passage of the Raker Act allowed the construction of a structure at the Hetch Hetchy Valley in this place, the O'Shaughnessy Dam. The Wawona Tree is in the southwesternmost part of this place, also home to the Mariposa Grove of giant sequoias. Galen Clark spent 24 years as guardian of this place, where Bridal Veil Falls and El Capitan can be found. For the point, name this national park in the west Sierra Nevada range.

ANSWER: Yosemite

(Tossup 21) At the end of this work, its narrator explains that she moved its title location to replace the housekeeper Zillah. In this work, the main character gets into an argument with a character named Edgar, and gets locked up in an attic as an act of humiliation by Hindley. That character in this work marries Isabella Linton, although his true love interest is Catherine Earnshaw. For the point, name this only novel by Emily Bronte.

ANSWER: Wuthering Heights

(Tossup 22) The napkin ring problem involves cutting out a section of this shape, and a coordinate system named after this shape is defined by rho and two angles theta and phi. This is the shape with the smallest surface area to volume ratio. Its graph can be given by "x squared plus y squared plus z squared equals r squared," and its volume is equal to "four-thirds pi r squared." Defined as the collection of all points x, y, and z that are equidistant from a given center, ftp name this solid that is the 3D analogue of the circle.

ANSWER: sphere

(Tossup 23) During a celebration of this ruler's coronation, rumours of insufficient food and drink led to the Khodynka Tragedy. This ruler's troops fired on a group of demonstrators led by Father Gapon in the Bloody Sunday incident. This Tsar's Baltic Fleet was decisively defeated at the Battle of Tsushima Straits, sealing his defeat in the Russo-Japanese War. For the point, name this last Tsar of Russia.

ANSWER: Nicholas II (Prompt on Nicholas)

(Tossup 24) Before this entity's full formulation, John Newlands described it as the Law of Octaves, while its modern version was published by Horace Groves Deming. One man organised lanthanides and actinides in this entity. Known as the father of this entity, that man was Dmitri Mendeleev. For the point, groups such as noble gases and halogens can be found on which entity that lists the atomic weight, number, and symbol of every element?

ANSWER: Periodic table

(Tossup 25) This god used two boats known as Mandjet and Mesektet. The Mnevis Bull was an embodiment of this god. In ancient times, this god was worshipped at Iunu. This god is the father of the goddesses Sekhmet, Bastet and Hathor. This god was often merged with Atum and Amun. Every night, this god would battle the serpent Apophis. For the point, name this Egyptian god of the Sun.

ANSWER: Ra

(Tossup 26) This politician's government became the first to be in contempt of Parliament in her country. The largest defeat of this politician's government occurred with a margin of 230 votes. A vote of no confidence tabled by the Leader of the Opposition Jeremy Corbyn against this politician was recently defeated. For the point, name this current Prime Minister of the United Kingdom who is currently involved in Brexit negotiations.

ANSWER: Theresa May

(Tossup 27) Researchers have argued that the a bright object in this work is actually Venus. A year earlier, this work's artist painted a similar scene over the Rhone. This painting depicted a view from the east window of an asylum room at Saint-Remy-de-Provence. This painting features dark green cypress tree points upwards and a large bright moon. For the point, name this 1889 painting of an evening sky by Vincent Van Gogh.

ANSWER: Starry Night

(Tossup 28) This character's ancestor Linfred of Stinchcombe is the source of this character's surname. This character never met his grandparents Fleamont and Euphemia as both died of dragon pox before his birth. This Head of the Auror Office named his second son after two former headmasters of Hogwarts while his other children were named after his parents James and Lily. For the point, name this boy wizard who defeated Lord Voldemort in a namesake J.K Rowling series.

ANSWER: Harry Potter

(Tossup 29) Some of these animals in the subfamily Crotalinae have loreal pits for sensing infrared radiation. These animals leave J-shaped tracks when using a diagonal crawling motion to traverse sand, a behavior called "sidewinding." These animals, which include kraits and taipans, may also wrap and squeeze prey in a method called constriction. For ten points, name these reptiles which include the anaconda and the venomous king cobra.

ANSWER: snakes [Science Bee Regionals]

(Tossup 30) Cornelius Vanderbilt set up the Accessory Transit Company to transport people to this event. During this event, settlers perpetrated the Bridge Gulch Massacre against 150 Wintu Native Americans. This event started at New Helvetia after Samuel Brannan publicized James Marshall's discovery at Sutter's Mill. For 10 points, name this 1849 event, in which miners searched for a precious metal in a U.S. territory.

ANSWER: California Gold Rush (or Gold Rush of 1849; prompt on only Gold Rush) [USABB Nationals]

Backups

(Tossup 31) Hudson Lowe reportedly did not allow this man to collect firewood, so he had to resort to burning his own furniture. This man's final defeat was preceded by a short engagement at Quatre Bras. This man became First Consul after the Coup of 18 Brumaire, and his famous victories included Jena and Austerlitz. For the point, name this French general who attempted to conquer Europe in the early 19th century before losing at Waterloo.

ANSWER: Napoleon Bonaparte (or Napoleone di Buonaparte)