

Bergen Academies Spring Quizbowl Tournament II [BASQT II]

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Round 3: Tossups

1. Midir and Étaín become these creatures after the former wins a board game, and Lemminkäinen drowns while trying to kill a black one. In Norse myth, these animals gained their color after drinking from Urdarbrunner. They're not (*) geese, but a brahmin reborn as one of these had golden feathers in one story, and one of these is confused for a turkey, then a duck, in a Hans Christian Andersen tale. Pollux and Helen were born from an egg because their father was one of these animals. For ten points, Zeus courted Leda as what white bird?

ANSWER: swans

2. The German U-boat 166 was sunk in this body of water, where Kaskida and Thunder Horse were found to contain oil deposits. Another site, Macondo Prospect, ceased production in August 2010. The first Europeans to cross this region were from the Narváez Expedition, whose survivors included (*) Álvaro Núñez Cabeza de Vaca. The Galveston hurricane formed over this body, where storm surge devastated New Orleans during Hurricane Katrina. For ten points, what region of the Atlantic Ocean is bordered to the west by a namesake country?

ANSWER: Gulf of Mexico

3. Ernst Kirchner included a nude model in the background of a work of this type where the subject smokes a cigarette and is missing their right hand. Artemisia Gentileschi created one "as the Allegory of Painting". One image of this type was included on the left hand side of (*) *Las Meninas*, and an image of "sick Bacchus" is thought to be another. Rembrandt created several including one etching with his wife Saskia, and a painting of a man wearing a red headcovering is thought to be one of these artworks by Jan Van Eyck. For ten points, name these paintings that include a depiction of the artist.

ANSWER: self-portraits (accept descriptions such as paintings of the artist before "for ten points")

4. Phycobilisomes are present in these organelles in rhodophytes, where they are the site of Floridean starch production. Lynn Margulis proposed the commonly accepted evolutionary history of this organelle, whose DNA is transmitted only by the maternal parent. In addition to high concentrations of starch, the internal structure of this organelle includes several granum which are stack of pigment-rich (*) thylakoids. Endosymbiont theory suggests that the mitochondria and this organelle originated as bacteria. There are higher concentrations of this organelle in leaves because of its role in photosynthesis. For ten points, name this green organelle most frequently found in plants.

ANSWER: chloroplast

5. In one novel by this author, Enid goes to China to care for her sister, leaving Claude behind. Josephus Projectus Machebeuf is the basis for one of this author's characters known as "the death-cheater". In that novel, Joseph Vaillant and Jean Marie Latour leave Sandusky, Ohio to travel (*) to New Mexico. In another story, the title character screams at the sight of rattlesnakes, which are then killed with a spade by Jim Burden. That book deals with an immigrant Bohemian family residing in Nebraska. The Prairie trilogy was written by – for ten points – what author of *O Pioneers!*, *The Song of the Lark*, and *My Antonia*?

ANSWER: Willa Cather

6. The Spanish Ministry of Economy and Competitiveness supplied the Environmental Monitoring Station of this project, which also contains the CheMin instrument developed at Ames Research Center. After arriving at Bradbury Landing, this project discovered potential (*) brine flows on Mount Sharp, the central peak of Gale Crater. This object landed in that crater in 2012 using a “sky crane”; four months later, its mission was extended, like those of its predecessors *Spirit* and *Opportunity*. For ten points, what robotic vehicle is exploring the Red Planet?

ANSWER: Curiosity (accept Mars Science Laboratory; prompt on “Mars rover”)

7. Because he was so adept at political maneuvering, rivals referred to this man as the “Screen-Master General”, and when this man inhabited 10 Downing Street, he insisted that it be home to the First Lord of the Treasury. He was mocked in the newspaper *The Craftsman*, and the ascent of (*) George I led to this man’s liberation from the Tower of London in the early 1710s. In the face of the South Sea Bubble, this man preserved the power and reputation of his Whig party. For ten points, name this first British Prime Minister.

ANSWER: Robert Walpole

8. A character in this work was captured by Native Americans and learned many homeopathic remedies in his time in captivity. The same person notes that while the main character does not lie with buried sin but, “hath none of that mystery of hidden sinfulness which you deem so grievous to be borne.” (*) That character, Roger Chillingworth, is the personal doctor of Arthur Dimmesdale who is the biological father of Pearl. Adulteress Hester Prynne is forced to wear the an “A” in - For ten points - what novel by Nathaniel Hawthorne?

ANSWER: The Scarlet Letter

9. This people’s language was the basis of an appropriation claim against LEGO for the names of its BIONICLE characters. Hongi Hika was one of these people who identify themselves as the *tangata whenua* and used European weapons during the (*) Musket Wars. The *haka* is a war dance of these people that was adopted by the All Blacks rugby union team. With William Hobson in 1840, these people signed the Treaty of Waitangi, giving control of the North and South Islands to the British. For ten points, what Polynesian people are native to New Zealand?

ANSWER: Māori (accept tangata whenua until mentioned)

10. Carolus-Duran taught this artist and influenced his painterly style. In one painting by this man, a young girl in a white apron leans against a Japanese vase, looking away from the viewer. That portrait also includes three other children of a Bostonian painter. The subject of another of his portraits wears a (*) half crescent ornament in her hair. This artist revised that painting to cover the shoulders of Virginie Gautreau with a jeweled dress strap. For ten points, name this artist of *The Daughters of Edward Darley Boit* and *The Portrait of Madame X*.

ANSWER: John Singer Sargent

11. These objects can be thought of as holes in the Dirac Sea, and the Alpha Magnetic Spectrometer confirmed these objects approach Earth from all directions. Fludeoxyglucose F 18 emits these particles, which cause gamma rays imaged in (*) PET scans. Carl David Anderson discovered this particle in a cloud chamber where in a magnetic field it curved in a direction opposite to the one suggested by its mass. This particle is emitted along with a neutrino when beta plus decay turns a proton into a neutron. For ten points, name this antimatter counterpart of the electron.

ANSWER: positron (accept antielectron before “antimatter”)

12. Kuma’s love interest in *Tekken* is one of these animals who can use moves like “Spring Claw” and “Pancake Press”. A Generation III Pokémon designed after this animal had Teeter Dance as its signature move. In one song, BMW (*) X6s are compared to a Rolls-Royce Phantom and one of these animals. In a 2008 movie, one of these mammals defeats Tai Lung using the Wuxi [“woo-shi”] finger hold and leads the Furious Five. A song by Designer is named after – for ten points, – what mammal, one of which is an animated kung fu warrior?

ANSWER: pandas (accept Ailuropoda melanoleuca; prompt on “bear”)

13. To insult one rival, this man referred to him by his cognomen “Thurinus” in letters. This man redistributed land between his children Alexander Helios and Ptolemy Philadelphus as part of the Donation of Alexandria. After the enactment of the (*) Lex Titia, with Lepidus and Octavian, this man formed the second triumvirate to avenge the death of Julius Caesar. For ten points, name this Roman general who after being defeated at the Battle of Actium committed suicide with his lover Cleopatra.

ANSWER: Marc Antony (or Marcus Antonius; prompt on partial answer)

14. This composer’s third symphony in A minor is played without breaks in between movements. This composer planned to have his fifth symphony done by the 300th anniversary of the Augsburg Confession, but a bout of measles derailed his plans. His string octet was written at the age of 16, and quotes the (*) Hallelujah Chorus in its fourth movement. A lively D minor scherzo written by this composer is placed in between Acts 1 and 2 of *A Midsummer Night’s Dream*, followed by a C major “Wedding March.” For ten points, name this composer of the *Scottish* and *Italian* symphonies.

ANSWER: Felix Mendelssohn

15. *A Rap on Race* consists of conversations between James Baldwin and this individual. Alongside Gregory Bateson, this social scientist published a photographic work on *The Balinese Character*, and earlier had traveled to Manus to do field work for *Growing Up in* (*) *New Guinea*. Derek Freeman wrote about *The Hoaxing of* this student of Ruth Benedict and Franz Boas, who interviewed adolescent girls on the island of Ta’u. For ten points, name this anthropologist who published *Coming of Age in Samoa*.

ANSWER: Margaret Mead

16. Donn Cúailnge was one of these animals over which Cúchulainn [“kuh-HILL-in”] fought. Apis is the son of Hathor that takes the form of this animal, and Kujata is one that stands on the head of a fish. Gugalanna was one of these animals sent by Inanna to punish those who denied her sexual advances and was killed by (*) Gilgamesh. Nandi was one of these ridden by Shiva. Pasiphaë was made to lust after one of these by Poseidon following her husband’s decision not to slaughter it. She sired one with the body of a human. For ten points, the Minotaur had the head of what animal?

Answer: bull

17. One parameter for these objects, the gain, is the derivative of the natural logarithm of power. The mode-locking variety of these objects are active for extremely short amounts of time, and within the Rayleigh range, their output is (*) collimated; when population inversion is reached, the radiation absorbed is less than what is produced as electrons return to a lower energy level. Some use helium or neon gas as a gain medium, while the first one used a ruby crystal, creating a red color. For ten points, name these devices that produce a coherent beam of light.

ANSWER: lasers (accept light amplification by stimulated emission of radiation, then give stern look at player)

18. The individual collaborated with Winston Ntshona and John Kani on a work about a worker condemned by his government. In that work, *Sizwe Banzi is Dead*, the aspiring photographer Styles takes a picture of the title character while he is under the alias Robert Zwelinzima. (*) One person in this man’s most famous play tries to convince the main character the merit of ballroom dancing. That character, Sam, is commanded to call Hally the title name after Hally takes out his father-related rage towards him and Willie. For ten points, name the playwright of “Master Harold”... and the Boys.

ANSWER: Athol Fugard

19. Women and children were injured by shrapnel from the Seventh Cavalry's Hotchkiss cannons during this event. Following John Dunn's warning of exile to the Atlantic Ocean, James Forsyth convened a meeting with the Minneconjou in the days before this event. This event was sparked by the deaf (*) Black Coyote's refusal to hand over his rifle. One action created by Wovoka was performed by Lakotas prior to this event; that was the Ghost Dance. For ten points, name this massacre at a South Dakotan creek where more than two hundred Sioux were slaughtered in 1890.

ANSWER: Wounded Knee Massacre

20. Arthur and his mother move into the titular estate in an epistolary novel by an author with this name, which was published under the name Acton Bell. In the most famous novel by an author with this name, Hareton meets the daughter of the protagonist who was raised in (*) Thrushcross Grange by Nelly Dean, with no knowledge of the title estate. Rochester hides his true wife, Bertha Mason, in the third story of Thornfield causing the title character to flee in a novel by an author with this surname. For ten points, give the name that is shared by the authors of the novels *The Tenant of Wildfell Hall*, *Wuthering Heights*, and *Jane Eyre*.

ANSWER: Brontë (accept Bell before mentioned)

TIEBREAKER:

Weather was so bad during this event that two helicopters ended up crashing into the Fortuna Glacier. At the Battle of Goose Green, British forces were pushed back toward Darwin hill after critical damage from 105 mm artillery fire. During this war, Operation Paraquet was a force led by Major Guy Sheridan to recapture the (*) South Georgia Islands. The *General Belgrano* was controversially sunk by the *HMS Conqueror* during this war which was started by a military offensive by Leopoldo Galtieri. For ten points, name this war between Argentina and the United Kingdom over the namesake South Atlantic islands.

ANSWER: Falklands War (accept Guerra del Atlántico del Sur)

Round 3: Bonuses

1. For ten points each, identify the following examples of axis mundi, or tall structures uniting different levels of reality.

[10] This axis mundi unifies the nine levels of the world in Norse myth; the Nidhogg chews at its roots.

ANSWER: Ygdrassil

[10] After climbing this axis mundi, a young boy steals a harp which plays itself. This axis mundi grew from magic beans.

ANSWER: Jack's beanstalk

[10] This type of real world axis mundi were used as temples in Mesopotamia; like all axes mundi, this type of structure were meant to connect planes of reality and have a name meaning "built on a raised area".

ANSWER: Ziggurat

2. Many pieces of classical civilization were preserved in the Middle East. For ten points each:

[10] This Greek author had his works *Politics* and *Poetics* preserved in Arabic translation; he also served as tutor to Alexander the Great.

ANSWER: Aristotle

[10] The man was known as "The Commentator" for his analyses of Aristotle's work; he also wrote a commentary on Plato's *The Republic* and at least 80 original works.

ANSWER: Averroes or Ibn Rushd

[10] This playfully named book by Averroes defended Aristotelian philosophy in general and attempted to integrate those teachings with the Quran.

ANSWER: The Incoherence of the Incoherence or Tahafut al-Tahafut

3. This system has substantially changed modern communications. For ten points each:

[10] The Advanced Research Projects Agency Network was one predecessor to this system. Dial-up modems and wi-fi are ways to access this system.

ANSWER: Internet

[10] This Senator from Tennessee was an Atari Democrat. He introduced the High Performance Computing Act of 1991 which led to the Mosaic Web Browser; many scholars credit Mosaic with the commercial success of the Internet.

ANSWER: Albert "Al" Gore

[10] The World Wide Web was invented by this man; he also made the first Web browser, now known as Nexus.

ANSWER: Sir Tim Berners-Lee

4. According to their historian Josephus, this religious group was deceived and overtaken by the Babylonians in the sixth century BCE. For ten points each:

[10] Name this people who were subsequently ruled by the puppet kings Jehoiakim and his son Jehoiachin.

ANSWER: Jews (accept obvious equivalents or people of Israel or Judah or Canaan)

[10] This Babylonian ruler laid siege on Jerusalem for thirteen years, and was renowned for the splendor of his capital's wondrous Hanging Gardens.

ANSWER: Nebuchadnezzar II

[10] This man was installed as king of Judah by Nebuchadnezzar II after the ousting and death of Jehoiachin, but he would later join forces with Egypt to undermine Nebuchadnezzar.

ANSWER: Zedekiah

5. This movie involves replicants and robots which are mostly indistinguishable from humans. For ten points each:

[10] Name this movie, where replicants are detected with the Voight-Kampff test and Rick Deckard must track down six ones pretending to be human.

ANSWER: **Blade Runner** (do not prompt on “Do Androids Dream of Electric Sheep”)

[10] *Blade Runner* is based on “Do Androids Dream of Electric Sheep” by this author.

ANSWER: Philip K. **Dick**

[10] Another of Dick’s works turned into a movie is this short story, twice turned into the movie *Total Recall*.

ANSWER: “**We Can Get It For You Wholesale**”

6. This author wrote about Ezeulu, the chief priest in his *Arrow of God*. For ten points each:

[10] Name this Nigerian author of *Anthills of the Savannah* and *A Man of the People* who also notably criticized *Heart of Darkness*.

ANSWER: Chinua **Achebe**

[10] This first novel of Achebe’s follows Okonkwo’s life from holding status as a well-respected member of the Umuofia clan to his eventual suicide.

ANSWER: **Things Fall Apart**

[10] This is the name of the boy given to Okonkwo as reparations for the murder of a member of his clan; elders of the Umuofia later order that he be killed.

ANSWER: **Ikemefuna**

7. The Bible is attributed to a large number of authors. For ten points each:

[10] Name this Biblical king, son of David, known for his wealth, wisdom, and control of demons.

ANSWER: **Solomon** or **Shlomo** or **Jedidiah**

[10] Name this book of the Bible about the meaning of life, the author of which claims to be the king in Jerusalem and the son of David. Pete Seeger adapted a portion of this book to be lyrics for his song, “Turn! Turn! Turn!”

ANSWER: **Ecclesiastes** (accept, but do not otherwise reveal, **Kohelet**)

[10] Provide this Hebrew pseudonym used by the author of Ecclesiastes, which can be literally translated as “Gatherer.”

ANSWER: **Kohelet**

8. This scientist worked on the Nazi nuclear weapons project and served as director of the Max Planck Institute of Physics. For ten points each:

[10] Name this German physicist who helped formulate quantum physics and developed an uncertainty principle.

ANSWER: Werner **Heisenberg**

[10] The Heisenberg uncertainty principle states that the product of the standard deviations of position and momentum is bounded below by one-half of this constant.

ANSWER: **h-bar** or **h divided by 2 π** or **reduced Planck constant** or **Planck constant divided by 2 π**

[10] This scientist tried to debunk the principle by positing a box with mirrored walls and a single photon; by using mass-energy equivalence, he claimed to be able to precisely measure time and energy.

ANSWER: Albert **Einstein**

9. He “bid[s] you welcome”, and enjoys “listen[ing] to” bats, the “children of the night”. For ten points each:

[10] Name this Transylvanian vampire, created by Bram Stoker.

ANSWER: Count **Dracula**

[10] This actor starred in Tod Browning’s 1931 version of *Dracula*, and he portrayed the Count in his first appearance in an American film. His final screen performance was in Ed Wood’s *Plan 9 from Outer Space*.

ANSWER: Bela **Lugosi**

[10] Give this term for the set of horror films produced from the 1920’s through the ’50’s by the studio of Browning’s *Dracula*. Its ongoing reboot is beginning with 2017’s *The Mummy*.

ANSWER: Universal Monsters

10. This process uses the enzyme RuBisCo to fix carbon dioxide from the atmosphere. For ten points each:

[10] Name this enzymatic cycle, whose namesake discovered it in algae. It is performed in the stroma of chloroplasts to produce carbohydrates.

ANSWER: Calvin cycle

[10] RuBisCo becomes inefficient at high temperatures as it oxygenates RuBP in this process, also called C2 photosynthesis.

ANSWER: photorespiration

[10] To avoid photorespiration, C4 plants transport carbon to these cells beneath the mesophyll where the Calvin cycle takes place.

ANSWER: bundle-sheath cells

11. The name of this modern-day country comes from the Soninke word for “warrior-king”, which named an earlier empire. For ten points each:

[10] Name this country now home to the Ashanti people, formerly a British colony known as the Gold Coast.

ANSWER: Republic of Ghana

[10] Ghana is at the western end of this gulf, which is home to the islands of São Tomé and Príncipe.

ANSWER: Gulf of Guinea

[10] The southern end of the Gulf of Guinea is this cape located in Gabon, named after one of the first Europeans to cross the equator.

ANSWER: Cape Lopez

12. This element accounts for 25% of the Sun’s mass. For ten points each:

[10] This second most abundant element in the Universe is also its second lightest. It is the product of hydrogen fusion in stars.

ANSWER: helium

[10] The first signatures of helium were identified during a solar eclipse when spectral lines of this color were measured at a wavelength of 587 nanometers. The line was initially confused for one for sodium.

ANSWER: yellow

[10] This is the name of the process by which three helium-4 nuclei are fused into carbon-12.

ANSWER: triple-alpha process

13. In this author’s most famous work, the title character agrees to work for the devil in return for eternal knowledge. For ten points each:

[10] Name this German author who wrote about Mephistopheles making a wager to lure God’s favorite human being in *Faust*.

ANSWER: Johann Wolfgang von Goethe [“gerta”]

[10] This epistolary Goethe novel set off a rash of suicides across Europe and focuses on the love triangle between Charlotte, Albert, and the titular character.

ANSWER: *The Sorrows of Young Werther* or *Die Leiden des Jungen Werthers*

[10] The Sorrows of Young Werther is a work in this artistic movement which focused on extreme emotions; Goethe eventually ended his association with it, instead working in Weimar Classicism.

ANSWER: Sturm und Drang

14. This artistic style is possibly named for a type of pearl. For ten points each:

[10] Name this European art-style that was characterized by organic shapes, frivolity and heavy ornamentation. Painters like Jean-Antoine Watteau and Francois Bouchard worked in this style.

ANSWER: **Rococo**

[10] This Rococo painter included a statue of a *putto* looking on as a woman in a pink dress kicks off her shoe in his *The Swing*.

ANSWER: Jean-Honoré **Fragonard**

[10] Though Rococo was centered in France, Yinka Shonibare, an artist from *this* country, recreated the woman from Fragonard's *The Swing* in a dress made from batik fabrics.

ANSWER: **Nigeria**

15. For ten points each, answer the following about African-American literature.

[10] This movement focused in New York neighborhood saw an awakening of African-American poetry and art.

ANSWER: **Harlem Renaissance**

[10] This artist, whilst talking about the Harlem Renaissance, said "the Negro was in vogue". He also published "The Negro Speaks of Rivers" in "The Crisis."

ANSWER: Langston **Hughes**

[10] This first short story collection published by Hughes features the story of Cora Jenkins, a black woman working as a maid in Melton.

ANSWER: The **Ways of White Folks**

16. For ten points each, identify the following geometric concepts.

[10] One parametrization for this figure sets x equals one minus t squared divided by one plus t squared and y equals $2t$ divided by one plus t squared.

ANSWER: unit **circle**

[10] Circles are a special case of this conic section where the two foci are at the same point. In the case where this is a circle, the minor and major axis are equal in length.

ANSWER: **Ellipse**

[10] All conic sections can be defined with this parameter. In circles, it is zero. In hyperbolas, it is greater than one.

ANSWER: **Eccentricity**

17. For ten points each, identify the following about Italian history.

[10] This Italian name for the period of Italian unification saw Piedmont unify the northern Italian states.

ANSWER: **Risorgimento**

[10] Many of the southern Italian states were unified by the forces of this man. He was born in Nice and also fought in the Franco-Prussian war.

ANSWER: Giuseppe **Garibaldi**

[10] This group of volunteers under Garibaldi took part in the Expedition of the Thousand, conquering the Kingdom of the Two Sicilies. They are named for their distinctive vestments.

ANSWER: **Redshirts**

18. For ten points each, answer some questions about cosmic horror fiction.

[10] A branch of cosmic horror is named after this American author; his novella, “The Shadow Over Innsmouth,” has been said to be influenced by his fear of miscegenation.

ANSWER: Howard Phillips (H.P.) **Lovecraft**

[10] “The Shadow Over Innsmouth” features the Deep Ones, a sea-dwelling people who worship Mother Hydra, Father Dagon, and this “Great Old One”, perhaps Lovecraft’s most famous creation.

ANSWER: **Cthulhu**

[10] In “The Call of Cthulhu”, Cthulhu is released from his imprisonment in this “nightmare corpse city”.

ANSWER: **R’lyeh**

19. For ten points each, identify the following about fishery conflicts involving the United Kingdom.

[10] This international incident pitted the United States against the United Kingdom over fishery rights west of Alaska. The United States Revenue Cutter Service detained three U.K. ships under claims they were illegally in U.S. waters, prompting this event.

ANSWER: **Bering Sea** controversy

[10] These were the animals the U.K. ships were trying to catch; they would be brought back to London for processing.

ANSWER: **fur seals** (prompt on seals)

[10] Iceland and the United Kingdom had a fishery conflict over these aquatic creatures in the 1970s. Historically, these fish were preserved with salt.

ANSWER: **cod**

20. Concert music can be described by physics, and, in this case, inspired by it. For ten points each,

[10] Name this opera, a musical setting of the events leading up to the “Trinity” test. Its most famous aria, “Batter My Heart,” is sung by J. Robert Oppenheimer.

ANSWER: **Doctor Atomic**

[10] Doctor Atomic was written by this American composer, whose other works include *Short Ride in a Fast Machine* and *Nixon in China*.

ANSWER: John **Adams**

[10] Adams’s *Short Ride in a Fast Machine* contains repeated patterns in the woodwinds and percussion, characteristics of this style of music. Other composers in this style include Philip Glass and Steve Reich.

ANSWER: **minimalism** (accept word forms)

EXTRA:

For ten points each, name some things about Christian holidays and traditions.

[10] This Christian holiday celebrates the Magi seeing Jesus for the first time and is also known as Three Kings’ Day.

ANSWER: **Epiphany** or **Theophany**

[10] This celebration occurs the day before the beginning of Lent and, in New Orleans, it often involves throwing beads.

ANSWER: **Mardi Gras** or **Fat Tuesday** or **Shrove Tuesday**

[10] This food is traditionally consumed on the day before Lent in countries where that day is called Shrove Tuesday. This is made to use the rich ingredients historically given up during Lent, such as eggs and sugar.

ANSWER: **pancake** (prompt on “bread”)