

Bergen Academies Spring Quizbowl Tournament II [BASQT II]

Written by David Song, Simon Seal, Ryan Murphy, Caleb Shi, Mollie Bakal, John Ferrante, Marvin Yu, Michael Gleyzer, Derek Lin, and Nathan Tang, **Bergen County Academies**; Zachary Stier, **Princeton University**; Rebecca Rosenthal, **Swarthmore College**.
Special thanks to Jon Pinyan.

Round 4: Tossups

1. The Wales Summit Declaration issued by this organization commends the Sahel strategies of the African Union in preserving peace in Mali. France partially withdrew from this agreement under Charles de Gaulle. Its Article 5 was invoked for the only time after (*) 9/11, and states that an “armed attack against one or more” of their members “shall be considered an attack against all.” Turkey became a member in 1952, and the Baltic states joined in 2004 to Russian objections. Canada and the United Kingdom are members of – for ten points – what military alliance formed after WWII that once opposed the Warsaw Pact?

ANSWER: NATO (North Atlantic Treaty Organization)

2. Meromorphic functions on these values have a countable number of poles and are holomorphic everywhere else. The Gaussian integers are a commutative ring in this non-ordered field, whose unit members can be generated by de (*) Moivre’s [“mwahvs”] theorem. The Fundamental Theorem of Algebra states that non-constant polynomials have at least one root from this set, and conjugate pairs of these numbers are roots of quadratics with a negative discriminant. For ten points, what set of numbers have elements written as $a + bi$?

ANSWER: complex numbers (prompt on “C”)

3. A novel by this author discusses the life of the immigrant, Floss Stecher, who kicks like the titular whiskey and lives in New York during the 1900s. In one of this author’s epics, the title city “lies on his right side, head near the thunder of the waters filling his dreams!” That city is (*) Paterson. The narrator eats all the plums that the reader was saving because they were “so sweet and so delicious” in “This is Just to Say”, and in another poem “so much depends on” the titular object that is “glazed by the rainwater, beside the white chicken”. For ten points, name this author of *White Mule* and “The Red Wheelbarrow”.

ANSWER: William Carlos Williams (prompt on just “Williams”)

4. This artist painted a front-facing nude woman alongside a bloodied bed in his version of *The Death of Marat*. A dark shadow surrounds the two central figures of one work by this artist where a dark-haired man rests his head in a red-haired woman’s arms. The woman is leaning as though about to bite the man’s neck in that work, (*) *Vampire*, part of his *Frieze of Life*. He wrote that he was able to hear the title phenomenon “tear through” nature in one of his paintings, which shows an orange striped sky behind a bald figure with his hands on his face. For ten points, name the Norwegian artist of *The Scream*.

ANSWER: Edvard Munch

5. In this film, a spotlight falls on an actor’s head so the director can hire a replacement, and the main character sees a drummer performing this film’s score. Tabitha Dickinson tells that character she will “kill” his play because she dislikes (*) Hollywood trying to act on Broadway. This film’s plot revolves around a former superhero actor producing a stage adaptation of Raymond Carver’s “What We Talk About When We Talk About Love”; it co-stars Ed Norton and Emma Stone, and was done in a single continuous shot. For ten points, name this 2014 Best Picture, starring Michael Keaton and directed by Alejandro Iñárritu.

ANSWER: Birdman or (The Unexpected Virtue of Ignorance)

6. This composer labeled some of his work “vernacular,” reflecting his effort to appeal to a larger audience. One such work of this composer is the ballet *Billy the Kid*, which incorporates cowboy tunes and American folksongs into its score. Music from this composer’s (*) *Rodeo* accompanied the “Beef. It’s what’s for dinner.” commercial, and another work by this composer was written to raise patriotism during World War II. This composer incorporated the Shaker hymn “Simple Gifts” in another ballet about pioneer life. For ten points, name this American composer of *Fanfare for the Common Man*, and *Appalachian Spring*.

ANSWER: Aaron Copland

7. *The Family and Social Life of the Nambikwara Indians* was a thesis by this sociologist, written during his stay in the Americas. In a work by this man, the Arabana’s use of Aranda classifications is used to show how structures can be reused. This man studied comparative mythology to demonstrate universal (*) patterns of thought. Engineers and bricoleurs are used as metaphors for different ways of thinking a work titled “La Pensée Sauvage” or “The Savage Mind”, considered a founding book of structuralism. For ten points, name this French “father of anthropology.”

ANSWER: Claude Lévi-Strauss

8. This category of fish within the family Scombridae engages in natal homing and will normally fail to spawn outside of their birthplace. Kini University was the first organization to breed this a member of this tribe of fish in captivity. The most expensive individual specimen ever sold at one of (*) Tsukiji Fish Market’s auctions was an endangered bluefin kind of this fish. This category of fish is known for its speed, with the yellowfin variety reaching speeds up to 47 miles an hour. For ten points, name this set of fish species, which are frequently canned for use in salads.

ANSWER: tuna or Thunnus

9. In one section of the work, Charlotte wants to go to England in the autumn, much to the dismay of the narrator. In a memory containing the title character of this work, the narrator notes when she cried at the sight of simple affection between a father and a daughter. The main protagonist of this work dies from (*) heart failure after hearing of the death of his title “nymphet”. That character, Humbert Humbert, tracks down and kills Clare Quilty after he tries to force the nymphet into child pornography. For ten points, name this novel by Vladimir Nabokov.

ANSWER: Lolita

10. Carnelley's Rule states that symmetry is associated with a high value for this quantity, which is proportional to the square of frequency of atomic vibration. One tool used to measure this quantity is a looped glass filled with oil, known as the Thiele tube. This quantity for a substance increases with (*) pressure if its densest phase is the solid state. The change of enthalpy at this point is called the heat of fusion, and the only metal with this value below room temperature is mercury. For ten points, what is the temperature at which materials, at standard pressure, turn from solid to liquid?

ANSWER: melting point (prompt on “freezing point”)

11. Despite the objections of Mayotte, the Comoros achieved this goal three years earlier than planned in 1975. One of these events occurred after prisoners were released from Rashaya Prison, and after the passage of the *loi cadre*, 1960 saw waves of this phenomenon occur in (*) West Africa. The Sahel-Benin Union accomplished this before the establishment of Burkina Faso, Niger, and Côte d’Ivoire. The Évian Accords conferred this status to Algeria, and the Battle of Dien Bien Phu cemented it for Vietnam. For ten points, Haiti achieved what goal under Toussaint L’Ouverture?

ANSWER: independence from France (accept descriptions; prompt on partial answer)

12. This piece was based on a Henri Cazalis poem, and was originally scored for voice and solo piano. Twelve harp ‘D’s open this piece, with strings playing D major chords underneath. An oboe interrupts the orchestra at the end of this piece to mimic a rooster crowing. The solo violin is tuned *scordatura*, with the (*) E string tuned down a half step to create a tritone. A theme in this work was repurposed for the composer’s *Carnival of the Animals*. For ten points, name this work depicting an ominous and his fiddle, and the dance of the dead, composed by Camille Saint-Saens.

ANSWER: *Danse Macabre*

13. Tsar Alexander II called this idea “worth considering” after reading a memo sent to the Foreign Minister, and pledged to invest in Kamchatka with the results of this event. The ceremony marking this event took place at New Arkhangelsk, later renamed Sitka, after the Senate approved this action 37 to 2. Although it was completed at 2 (*) cents per acre, political opponents called this action a “folly”. William Seward negotiated – for ten points – what purchase, through which the United States acquired land that later became its largest state?

ANSWER: Alaska purchase (accept descriptions; prompt on “Seward’s Folly” before mention)

14. This man’s pupilage under Richard Busby colored his attack on boarding schools in *Some Thoughts Concerning Education*. He critiqued Robert Filmer’s *Patriarca*, and in another questioned the universality of triangularity and redness. As the clerk to the Earl of Shaftesbury, this man co-authored the Fundamental (*) Constitutions of Carolina. This thinker referred to the mind as “void of all characters” in his discussion of the *tabula rasa*. He asserted the right to “life, liberty and estate” in his *Two Treatises of Government*. For ten points, name this author of *An Essay Concerning Human Understanding*.

ANSWER: John Locke

15. The skin effect is the tendency of this phenomenon to occur at the surface of an object, and is reduced by litz wire. The line integral in the Biot-Savart [“bee-oh-sah-VAHR”] Law is evaluated over the path of this quantity. Léon Foucault discovered the (*) eddy form of this phenomenon while spinning a copper disc between two magnets. Power generated by Joule heating is proportional to the square of this quantity, which is also proportional to voltage and inversely related to resistance according to Ohm’s Law. Amperes are the unit of – for ten points – what quantity measuring the flow of charge?

ANSWER: electric current (prompt on “I” or “J”)

16. In one of this author’s unfinished works, John Jasper meets the the title character who is hesitant about his betrothal to Rosa Bud. In another of his novels, the main character apprentices at the Spenlow and Jorkins firm, where eventually falls in love with Spenlow’s daughter, (*) Dora. That character was raised by Peggotty and his mother, who married the strict Mr. Murdstone when he was young. This author’s impoverished childhood and the financial demands of his family was the basis for a novel where a gang is led by Fagin. For ten points, name this author of *David Copperfield* and *Oliver Twist*.

ANSWER: Charles Dickens

17. Although this person’s exact place of birth is unknown, multiple accounts say his birth occurred in Lumbini and he lived most of his life in Kapilavastu. His mother Maya thought about a six-tusked white elephant during this individual’s conception. This man began preaching his first (*) sermon at Deer Park in present-day Varanasi, India, and he left his home after seeing poor and sick people for the first time. For ten points, name this founder of a namesake religion who left his life as a prince to pursue the principle of nirvana through the Noble Eightfold Path.

ANSWER: Buddha (accept Siddhartha Gautama or Gautama Buddha or Shakyamuni Buddha)

18. In one novel set during one of these events, a passage from John Bunyan's *Pilgrim's Progress* is prefaced at the beginning. In that novel, Marmee's husband is sent off to be a chaplain, leaving her and her four daughters during Christmas. In another novel set during one of these events, Robert (*) Jordan is part of a bridge destruction operation for the Republicans and is killed by a Fascist lieutenant. Henry sees Jim Conklin die in front of him from a gunshot during the Battle of Chancellorsville in a Stephen Crane novel set in this kind of conflict. For ten points, name these wars in which citizens of the same country fight each other.

ANSWER: civil wars

19. William of Poitiers' recount of this engagement lacked legitimate details leading up one person's death. Prior to this battle, the Norwegian army, led by Tostig, lost at the Battle of Fulford, leading to the loser to move his forces from London to York. During this battle, the Earl of Wessex took a defensive position at (*) Senlac Hill against the enemy. This event was depicted in the Bayeux Tapestry, where Harold Godwinson is shown being shot in the eye with an arrow. For ten points, name this battle fought in 1066, a decisive victory for William the Conqueror.

ANSWER: Battle of Hastings

20. One of these named Druzhba was planned by Comecon in 1958, and another in Ceyhan was moved because of the Nagorno-Karabakh conflict; that one goes through Tbilisi after beginning from Baku, Azerbaijan. One of these routes beginning in Bakken is the subject of (*) protests by the Meskwaki, who form part of the demonstrations at Standing Rock Indian Reservation. Barack Obama rejected the "XL" extension of one of these, although Donald Trump approved its completion as well as that of the Dakota Access. Keystone is – for ten points – what kind of infrastructure that transports oil?

ANSWER: oil pipelines

TIEBREAKER:

The interleukin-17 pathway fights in the development of bacteria colonies caused by this condition, but as a result causes heightened levels of neutrophilia and tissue remodelling. Most patients with this condition are afflicted by the bacterium *Pseudomonas aeruginosa* by age 18, causing a resistance to most antibiotics. Males can become (*) infertile as a result of a congenital absence of the vas deferens caused by this disease and its most common cause is the Delta-F508 mutation in its namesake transmembrane conductance regulator. Thick mucus buildup characterizes - for ten points - what genetic disease that damages the lungs?

ANSWER: cystic fibrosis (prompt on "CF")

Round 4: Bonuses

1. This philosopher uses “Lordship and Bondage” to discuss the development of self-consciousness of two individuals.

For ten points each:

[10] Name this German philosopher who wrote *Phenomenology of Spirit*.

ANSWER: Georg Wilhelm Friedrich **Hegel**

[10] Hegel presented arguments in this form, wherein his overall point was made via contradictory statements from opposing sides of an issue. Plato also used this form when describing Socrates’ conversations.

ANSWER: **dialectic**, accept Hegelian **dialectic**

[10] Hegel introduced a triad in which thesis and antithesis meet in this process, by which a grander conclusion is drawn from those first two parts. This term was first used by Johann Fichte, and was essential to Karl Marx’s historical theories.

ANSWER: **synthesis**

2. The original masts of this vessel were lost in a typhoon in Japan. For each points each:

[10] Name this Nantucket whaling ship named after an Algonquian-speaking tribe.

ANSWER: **Pequod**

[10] Moby Dick destroys the *Pequod* in a novel by this author of “Bartleby the Scrivener”.

ANSWER: Herman **Melville**

[10] The narrator of *Moby Dick*, Ishmael, survives the wreck of the Pequod by floating on this man’s coffin. Previously, he had shared a bedroom with this pagan.

ANSWER: **Queequeg**

3. This was the primary genre practiced by artists like Frederic Church and Thomas Cole. For ten points each:

[10] Name this type of painting that consist of natural scenes. The Hudson River School made paintings of this types in places such as the Andes and the Berkshire Mountains.

ANSWER: **landscape** paintings

[10] This English landscape artist painted numerous scene of the English countryside, including *The Hay Wain* and several views of Salisbury Cathedral.

ANSWER: John **Constable**

[10] This Caspar Friedrich work shows a suited man holding a walking stick and looking away from the viewer over the title landscape.

ANSWER: ***Wanderer over the Sea of Fog*** or ***Wanderer über dem Nebelmeer***

4. Antoine Lavoisier proposed the name “azote” for this element for the toxicity of its gas form. For ten points each:

[10] The diatomic gas of this element with atomic number 7 has a triple bond. It is the most abundant gas in Earth’s atmosphere.

ANSWER: **nitrogen** (prompt on “N”)

[10] Nitrogen gas is reacted with hydrogen under high temperature and pressure to produce ammonia in this industrial process named for two German chemists.

ANSWER: **Haber-Bosch** process

[10] One of the first catalysts used in the Haber-Bosch process was this transition metal in the platinum group that is the densest stable element.

ANSWER: **osmium** (prompt on “Os”)

5. The main character of this work fishes for the sturgeon Nahma on the shores of Gitche Gumee. For ten points each:

[10] Name this epic about the journey of the titular Ojibwe warrior and his tragic love for Minnehaha.

ANSWER: **The Song of Hiawatha**

[10] The Song of Hiawatha was written by this poet who wrote about the title Acadian girl's search for her lover in *Evangeline*.

ANSWER: Henry Wadsworth **Longfellow**

[10] In the novel *Kavanagh* by Longfellow, retreating Swedish soldiers die in this manner in "fireless tents among the mountains". In Longfellow's poem, *Excelsior*, the youth dies by this method on a mountainside.

ANSWER: **freezing** to death (accept descriptions)

6. This city lies directly on Botany Bay, discovered by James Cook. For ten points each:

[10] This city's opera house was designed to look like sails and is located near this city's harbor.

ANSWER: **Sydney**

[10] This Moscow opera house also hosts an internationally renowned ballet company; it is named after the Russian word for grandiose or large.

ANSWER: **Bolshoi** Theatre

[10] This architect of the Bolshoi Theatre was in charge of redesigning after the Fire of Moscow in 1812; a substantial number of the buildings in Red Square were designed by this man.

ANSWER: Joseph **Bové**

7. Early pioneers in this school of thought include Henry Sidgwick. For ten points each:

[10] Early versions of this philosophy were devoted to maximizing pleasure and minimizing pain.

ANSWER: **utilitarianism**

[10] This utilitarian philosopher and social theorist invented the felicific calculus and advocated for prison reform.

ANSWER: Jeremy **Bentham**

[10] This utilitarian philosophy was one of the strongest opponents of Confucianism during the Hundred Schools of Thought period and advocated impartial care, the idea that compassion should be given without reference to existing relationships.

ANSWER: **Mohism** or **Mojia**

8. The British aristocracy, in addition to their historical political role, also contributed to the arts and sciences. For ten points each:

[10] This royal wrote "Don Juan" and, like the main character of that poem, had many affairs.

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

[10] The subject of this short poem in iambic tetrameter by Lord Byron has "A mind at peace with all below" and "A heart whose love is innocent."

ANSWER: **She Walks in Beauty**

[10] This daughter of Lord Byron is sometimes called the first computer programmer and worked on Charles Babbage's Analytical Engine.

ANSWER: Ada **Lovelace**

9. A 1937 tax act banned this material for its narcotic properties. For ten points each:

[10] Name this plant which has been cultivated for nearly 10,000 years for use as rope or as a textile; fabric made of this is referred to as burlap or jute.

ANSWER: **hemp** (prompt on “cannabis”)

[10] This chemical found in hemp is found in much higher quantities as the active ingredient in marijuana.

ANSWER: **tetrahydrocannabinol**

[10] Marijuana has been used to treat the intraocular pressure associated with this disease, the second most common cause of blindness after cataracts.

ANSWER: **glaucoma**

10. Isaac Newton is believed to have invented this optical device. For ten points each:

[10] This optical device can have a very large objective lens and focuses images with curved mirrors.

ANSWER: **reflecting telescope** (prompt on partial)

[10] The reflecting telescope was designed to avoid this type of error caused by refracting telescopes, in which different wavelengths of light do not converge to the same focus point.

ANSWER: **chromatic aberration** or **chromatic distortion** or **spherochromatism** (do not accept “spherical aberration”)

[10] This device intentionally splits light into different wavelengths via refraction. They can be used to make rainbows.

ANSWER: **prism**

11. This book uses an unreliable narrator, so that the madness of the main character can go unnoticed. For ten points each:

[10] This book follows Esther Greenwood’s descent into depression, which she describes as feeling like being trapped by the title object.

ANSWER: The **Bell Jar**

[10] *The Bell Jar* was a semi-autobiographical novel written by this woman under the pen name Victoria Lucas. She also wrote the poem “Ariel.”

ANSWER: Sylvia **Plath**

[10] Esther Greenwood eats one of these stuffed with crabmeat at a fancy dinner party. This favorite fruit of Esther’s was given to her by her grandfather when she was a child.

ANSWER: **avocados**

12. In California, name of one of these formations is located in the Great Basin. For ten points each:

[10] Name this type of structure often formed by rivers, a low area between hills divided into v and u-shaped varieties.

ANSWER: **valley**

[10] This is the Greek name for the study of rivers and lakes; it could be literally translated as “lake knowledge”.

ANSWER: **limnology**

[10] This horseshoe-shaped type of lake is formed when a wide meander of a river is cut off from the rest of its course.

ANSWER: **oxbow** lakes

13. This man usurped throne after killing Gaumata succeeded in recapturing Thrace. For ten points each:

[10] This Persian Emperor attempted to annex Greece following the Babylonian revolt; he had already successfully annexed Egypt.

ANSWER: **Darius I** (accept **Darius** the **Great**)

[10] Two answers required. Darius sent messengers asking many Greek states to peacefully join his empire; to indicate their acquiescence, the Greek states were asked to send these two items from their homeland.

ANSWER: **soil** and **water** (accept equivalents)

[10] The Persian invasion of Greece was finally repelled at this battle, which took place approximately 40 kilometers from Athens.

ANSWER: Battle of **Marathon**

14. Little Buttercup is the "rosiest, roundest, and reddest beauty in all Spithead" in these playwrights' work, *H.M.S Pinafore*. For ten points each:

[10] Two names needed. Name these pair of men who wrote "*The Mikado*" and "*The Sorcerer*" and poked fun at the Victorian sensibilities of their day.

ANSWER: William Schwenck **Gilbert** and Arthur **Sullivan**

[10] In this Gilbert and Sullivan play, Frederic is born on February 29th, causing his time as an indentured servant to last four times as long. He falls in love with Mabel, the daughter of the Modern Major-General.

ANSWER: The **Pirates of Penzance**; or, The Slave of Duty

[10] The 14 comical plays written by Gilbert and Sullivan, including "The Pirates of Penzance," were all this type of musical, named after the theatre constructed to perform Gilbert and Sullivan's own plays.

ANSWER: **Savoy Opera**

15. For ten points each, name some facts about 21st century queens of Europe.

[10] This Queen and Head of the Commonwealth has held her office since February 6th, 1952. Her father, George VI, took the throne following her uncle's abdication.

ANSWER: **Elizabeth II**

[10] Queen Margrethe II is currently the monarch of this country whose economy suffered under high interest rates imposed by the Sveriges Riksbank.

ANSWER: **Sweden**

[10] The most recently reigning Queen of the Netherlands was this woman who abdicated for her son to take the throne and retook the title of princess.

ANSWER: **Beatrix** Wilhelmina Armgard

16. In 1903, this man successfully traversed the Northwest Passage of Canada. For ten points each:

[10] Name this Norwegian man who captained the first expedition to reach the South Pole and his airplane disappeared while he was searching for the airship *Italia*.

ANSWER: Roald Engelbregt Gravning **Amundsen**

[10] This man led the second expedition to successfully reach the South Pole; his team discovered plant fossils on their return journey, proving Antarctica was once forested.

ANSWER: Robert Falcon **Scott**

[10] This was the name of the Scott expedition to the South Pole; the entire trek died on their way back to their base camp.

ANSWER: **Terra Nova** Expedition

17. In Sunni Islam, these types of religious texts were collected in Kutub al-Sittah. For ten points each:

[10] Name this type of religious text that is an account of the life and teachings of the Prophet Muhammad written shortly after his death.

ANSWER: **Hadith** or **Ahadith**

[10] Hadith were written by this group of Muslim practitioners who are focused on acts of devotion, 'ibadat, instead of seeking knowledge. This group is known for its repetition of suras or the names of God, a process known as dhikr.

ANSWER: **Sufis**

[10] Some Sufi dervishes engage in this rapidly rotating form of dhikr, which some people have interpreted as imitating the motion of the planets.

ANSWER: **whirling**

18. The perpetrator of this event yelled “Do not forget Aleppo!” moments after. For ten points each:

[10] Melvut Altintasan killed a person with this position in Ankara in December 2016.

ANSWER: **Russian Ambassador to Turkey** (prompt on partial answers)

[10] The assassin held this job, though neither country has claimed he was acting in this role.

ANSWER: **police** officer (accept clear knowledge equivalents; do not accept military posts)

[10] This was the name of the assassinated ambassador; he had previously been Russia’s ambassador to North Korea.

ANSWER: Andrei Gennadyevich **Karlov**

19. This team recently signed Brandon Marshall. For ten points each:

[10] This NFL team has won 4 Super Bowls including Super Bowl XLII(42), where they beat the previously undefeated New England Patriots. This team is the only team that shares a stadium with another NFL team.

ANSWER: New York **Giants** (prompt on “New York”)

[10] Giants quarterback Eli Manning commented that he hadn’t had a receiver like Marshall since this player, who scored the winning touchdown in Super Bowl XLII. He accidentally shot himself that November, ending his stint with the team.

ANSWER: Plaxico **Burress**

[10] During that game-winning final drive, this other Giants’ receiver caught the ball against his helmet. The so-called “helmet catch” was this player’s last NFL reception.

ANSWER: David **Tyree**

20. For ten points each, give some information regarding taxation.

[10] This is the adjective used to describe tax plans in which the tax rate decreases as the amount being taxed increases: progressives are against this form of taxation.

ANSWER: **regressive** tax

[10] This regressive tax plan has been supported by Senator Ted Cruz; it would replace all income taxes with a 30% sales tax on most goods for personal consumption.

ANSWER: **FairTax**

[10] This amendment gave Congress the right to collect income taxes, which was not included in its original powers of taxations.

ANSWER: **16th**

EXTRA:

In this country, President Kiir accused then-Vice President Riek Machar of citing a coup. For ten points each:

[10] Name this country, with capital at Juba, the most recent nation to join the African Union.

ANSWER: **South Sudan**

[10] South Sudan is currently engaged in civil war; this man is the current Vice President.

ANSWER: Taban Deng **Gai**

[10] One of the motivating factors for South Sudanese independence was the genocide in the Darfur region, which occurred during the presidency of this Sudanese president successfully prosecuted for war crimes by the International Criminal Court.

ANSWER: Omar Hassan Ahmad **al-Bashir**