

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 5: Tossups

1. An artist in this work is disturbed by a flashback of Charles Tansley telling her that women can't paint or write, but continues to work regardless. Mr Banks believes that a character in this novel is like the "unfinished walls" of the nearby hotel and that, "there was something incongruous to be worked into the harmony of her face." That woman ensures (*) James that the their trip to the title location is possible despite the words of Mr. Ramsay. For ten points, name this novel centered on the Ramsay family about their visits to the Isle of Skye by Virginia Woolf.

ANSWER: To the Lighthouse

2. Syn addition occurs in hydroboration-oxidation reactions which remove these structures. According to Bredt's rule, these structures cannot be at the head of bridges because of angular strain. Cahn-Ingold-Prelog rules require molecules with these to be assigned (*) E or Z depending on geometry. The resonance structures of ozone and benzene are due to the presence of these structures, and cis-trans isomerism arises from their restriction of rotation. For ten points, name this kind of bond that define alkenes and are represented by two parallel lines.

ANSWER: double bonds (prompt on "alkene" before mention)

3. Tekle Haymanot was leader of the Gojjam people of this country in battle, after which the Treaty of Wuchale was repealed. Members of the Black Lions, an anti-fascist group in this country, were murdered in the Yekatit 12 massacre after an assassination attempt on Rodolfo (*) Graziani. This country maintained its sovereignty at the Battle of Adwa, although in 1936 it was united with Somaliland and Eritrea, territory Menelik II had ceded earlier to the Italians. For ten points, what country once ruled by Haile Selassie has capital at Addis Ababa?

ANSWER: Ethiopia

4. This person worked with Pietro da Cortona at the Palazzo Barberini under Carlo Maderno. He designed a bust of Pope Paul V shortly after his death as commissioned by his patron, Cardinal Scipione Borghese. Pluto is (*) dragging the title character to the underworld in this artist's *Rape of Proserpina*, and the river-god Ganges is represented as one of the four rivers in one of his fountains, *Fontana dei Quattro Fiumi*. For ten points, name this artist who sculpted the title figure being pierced by the spear of an angel in the *Ecstasy of Saint Teresa*.

ANSWER: Gian Lorenzo Bernini

5. This man was the first to receive a professorship in 'political economy', and in an argument rejecting Say's Law, he coined the term 'effective demand'. This thinker formulated a theory on rent in which he argued that all gains go to the landlord; this conclusion was reached while debating the Corn Laws with David (*) Ricardo. This thinker said that without the Poor Laws, "the aggregate ... happiness among the common people would [be] much greater", since exponential population growth outpaces linear agricultural output. For ten points, name this English economist and author of "Essay on the Principle of Population".

ANSWER: Thomas Malthus

6. Espen Barth Eide is the UN Special Envoy to this territory, and in January 2017 said that “We are now in the moment of truth.” The UK annexed this region in 1914, and continues to operate military bases here in Akrotiri and Dhekelia. An attempt at *enosis* by nationalists on this (*) island prompted Operation Attila, its invasion in 1974 by Turkey. The two halves of this island are separated by the Green Line, which splits it through Nicosia. For ten points, Greece supports the southern half of what Mediterranean island?

ANSWER: Cyprus

7. In this novel, the protagonist is awarded 40 *pistoles* after a duel in which Jussac is heavily wounded. A man with “swarthy complexion, piercing eye, and a scar on his temple” ridicules the Gascon heritage of the protagonist at an inn in Meung-sur-Loire [“mun-sir-lwah”]. That man is later revealed to be the (*) Comte de Rochefort, who kidnaps Constance Bonacieux. Constance is later poisoned by a convicted thief with a fleur-de-lis branded on her shoulder. Rochefort and Milady de Winter work for Cardinal Richelieu in – for ten points – what Alexandre Dumas novel where d’Artagnan joins the titular French guards?

ANSWER: *The Three Musketeers* (or *Les Trois Mousquetaires*)

8. After this man’s death, the Pact of Forgetting prevented individual charges for the suffering of his reign, and following the rise of the Popular Front, he conspired against his government from the Canary Islands. This man was his nation’s youngest general when appointed leader of a new Military Academy located in (*) Saragossa, and this then-colonel led the Foreign Legion during the Moroccan Rif War. Adolf Hitler sent the Condor Legion to aid this man’s forces in the late 1930’s, leading to the rise of his Falange party. For ten points, name this Fascist leader of Spain until his 1975 death.

ANSWER: Generalissimo Francisco Franco (accept Francisco Franco Bahamonde)

9. Cataclysmic variables must always include one of these structures, whose volume is inversely proportional to its mass. Arthur Eddington determined that their light must be gravitationally redshifted because of their density. Carbon fusion occurs in these objects before they undergo a (*) type Ia [“one A”] supernova as they approach the Chandrasekhar limit. One of these objects, Sirius B, orbits around a larger partner and has the mass of the Sun and the size of the Earth. For ten points, electron degenerate pressure holds together what kind of small stellar remnants?

ANSWER: white dwarf (prompt on “degenerate dwarf”; prompt on “dwarf”)

10. In an attempt to sabotage the creation of this object, a fly bites the eyelid of one of its creators, shortening its length. This object was created after two brothers were challenged to produce something more beautiful than those made by the Sons of Ivaldi. Gullinbursti and (*) Draupnir were made alongside this object by Sindri and Brokkr, who had to make a set of gauntlets to accompany this weapon. It easily returns to the owner’s hand, and can channel thunder and lightning. Wielded only by those worth of ruling Asgard are - for ten points - what hammer used by Thor?

ANSWER: Mjolnir

11. In the 1990’s, this team was coached by Don Nelson and was nicknamed “Run T.M.C.,” in part because of star Chris Mullin. In 2007, Baron Davis led this team, nicknamed “We Believe,” to victory over the first-seeded Dallas Mavericks in the playoffs. Current players on this team include Shaun Livingston, Andrew Bogut and (*) Andre Iguodala. In July 2016, this team, coached by Steve Kerr, sent a delegation including Jerry West, Draymond Green and Klay Thompson to Kevin Durant’s Hamptons home to convince him to sign here. For ten points, name this NBA team that plays in Oakland, California and features Stephen Curry.

ANSWER: Golden State Warriors (accept either portion; prompt on “Oakland”)

12. This poet's first published work asks "Did haughty Eolus with Contempt look down With Aspect windy, and a study'd Frown?" Her only collection was released with an affidavit declaring that she had written the poems and signed by several prominent men, including John (*) Hancock. After publishing *Poems on Various Subjects, Religious and Moral*, she could not find support for a second volume and worked as a scullery maid in a boarding house. She was named for the ship which brought her to the Americas at the age of eight and was freed after her master's death in 1778. For ten points, name this first published American female slave poet.

ANSWER: Phillis Wheatley

13. An affine transformation that preserves area has 1 for this value. The denominator of each solution to a linear system via Cramer's Rule is given by one of these values, and this value is equal to the sum of the eigenvalues. If this value for an object is zero, then the object is singular; otherwise, it is an (*) invertible matrix. One method for computing this value is by evaluating this value for minors to yield a cofactor. For ten points, name this value commonly given for a 2x2 matrix by the formula $a d$ minus $b c$.

ANSWER: determinant

14. One song from this work employs a banjo in the chorus, and begins with synthesized trumpets playing minor chords. Counting to ten is a notable motif, foreshadowing the act of violence that occurs at its end. One character in this musical sings (*) "I will kill your friends and family / to remind you of my love." This musical was based on a book by Ron Chernow, and its composer appeared at a White House Poetry Jam in 2009 singing the preliminary version of the opening number. For ten points, what winner of the 2016 Tony Award for Best Musical was composed and written by Lin Manuel-Miranda.

ANSWER: Hamilton: *An American Musical*

15. A wedding scene in this novel features the acziavimas, where guests form a circle around the bride and every male guest dances with her. One character is happy to earn more than two dollars per day and his family soon finds out that the house they are trying to purchase is a scam. (*) The protagonist of the novel knows that all the spoiled meat becomes sausage and attacks Phil Connor after he raped his wife, Ona. Nicholas Schliemann explains to protagonist about socialism at a meeting which ends by saying "Chicago will be ours!". For ten points, name this novel about Jurgis Rudkus and the meat packing industry by Upton Sinclair.

ANSWER: The Jungle

16. One Christian sect believes the effect of these comes "ex opere operato". The same Christian denomination considers these "an outward sign of inward grace." In other groups, they may be considered ordinances and are seen as bestowing no grace. Extreme (*) unction and chrismation have been examples of these since the Council of Trent codified that the Catholic Church acknowledges seven of them, also including matrimony and ordination. For ten points, the Eucharist and baptism are examples of this type of Christian rite.

ANSWER: Sacrament

17. Maize is the only common grain lacking the "free" form of this substance, although that deficiency is corrected by nixtamalization. Some people who suffer from a chronic lack of this compound exhibit erythematous skin in the form of a (*) Casal collar. One form of this compound is a pyridine with a carboxyl group at the 3-position, and it is a precursor to NAD and NADP. Diarrhea, dermatitis, and dementia are symptoms of pellagra, which arises from the deficiency of – for ten points – what organic compound, also known as vitamin B3?

ANSWER: niacin (accept nicotinic acid; accept vitamin B3 before mention; prompt on "vitamin B")

18. Either this person or his son is associated with the Book of Esther's Ahasuerus, who holds a lavish banquet. Demaratus helped this man fight against Artobazan for the throne, and he would later lose it to his bodyguard, Artabanus. Mardonius convinced this ruler to invade (*) Greece, and Artemisia of Caria was the only naval general that was against the action of this king engaging the Themistocles-led Greek fleet at the Battle of Salamis. For ten points, name this ruler of the Achaemenid Empire who defeated Leonidas and his army of 300 at the Battle of Thermopylae in 480 BC, the son of Darius the Great.

ANSWER: Xerxes I ["ZERK-sees"] (accept Xerxes the Great; prompt on partial)

19. This man was infatuated by the architecture of Europe after examining the portfolio of Ernst Wasmuth. This architect coined the term "Usonia" for small and compact housing that was designed for middle class family establishments. A work by this architect features a vacation house built into the ambience of the forest in Mill Run, Pennsylvania, taking on a cantilevered style and structure. That house is known as (*) Fallingwater. For ten points, name this architect and founder of the Prairie School of Architecture who designed the New York Guggenheim Museum.

ANSWER: Frank Lloyd Wright (accept Frank Lincoln Wright)

20. Thomas Metcalfe held this post for less than a year after John Crittenden's resignation, and another holder had four separate tenures totaling 15 years, during which he negotiated the Tariff of 1833. That "Great (*) Compromiser" also served as Speaker of the House and Secretary of State. One person who currently holds this post is the ophthalmologist son of a Texas libertarian, and Alison Lundergan Grimes lost a 2014 election to the other holder of this position, who is now Majority Leader. For ten points, name this position currently held by Rand Paul and Mitch McConnell.

ANSWER: Senator from/of Kentucky

TIEBREAKER:

In 1940, this man accepted the limited constitutional monarchy of his country in his book *Kashf al-Asrar*, but quickly changed later. In exile, this man stayed in Neauphle-le-Château where he distributed thousands of tapes inciting against democracy as well as calling for (*) jihad. This man was promoted to the rank of *marja* following the death of his predecessor Seyyed Husayn Borujerdi and became the leader of the Iranian Revolution following the death of Ali Shariati. For ten points, name this first Supreme Leader of Iran who overthrew Shah Reza Pahlavi in 1979.

ANSWER: Ayatollah Ruhollah Khomeini (do not prompt or accept "Khamenei")

Round 5: Bonuses

1. On this type of set of real numbers, a continuous function must be bounded and it must reach its maximum. For ten points:

[10] Give this type of interval in the real line that contains its endpoints.

ANSWER: **closed** interval/set

[10] In general, in a compact set, all Cauchy sequences have this property. A sequence with this property has all elements past a certain point a small distance from a certain limit.

ANSWER: anything having to do with **convergence**

[10] The real numbers are the unique set that is ordered and has this property, meaning that all Cauchy sequences converge.

ANSWER: **completeness**

2. Despite being more accurately an embroidery, one work of this type shows Halley's comet. For ten points each:

[10] Name this term for fabric with elaborately woven designs, common in the middle ages.

ANSWER: **tapestry**

[10] One famous tapestry shows one of these mythical creatures caught in an octagonal pen. Others in the series show "the hunt" of this equine, which was thought to only able to be tamed by a virgin.

ANSWER: a **unicorn** (accept *The Hunt of the Unicorn*)

[10] The Hunt of the Unicorn tapestry series is now housed in this New York city museum, a part of the Metropolitan museum of art with a focus on medieval arts and architecture.

ANSWER: The **Cloisters**

3. He is the namesake of the fourth most populous city in the United States. For ten points each:

[10] Name this President of Texas during the Texan Revolution.

ANSWER: Sam **Houston**

[10] Houston led Texan forces to victory over the Mexican general Santa Anna at this 1836 battle, the last of the Revolution and that which guaranteed Texan independence.

ANSWER: Battle of **San Jacinto**

[10] Houston had earlier served as Governor of and Representative from this state between 1823 and 1829.

ANSWER: **Tennessee**

4. A "beast" in this book turns out to be the corpse of a pilot. For ten points each:

[10] Name this novel about a plane full of schoolboys who get trapped on a desert island. One nicknamed Piggy is often ridiculed about his asthma and glasses.

ANSWER: **Lord of the Flies**

[10] *Lord of the Flies* was the first novel written by this English author who wrote about Neanderthals in *The Inheritors*.

ANSWER: William **Golding**

[10] The pig's head in *The Lord of the Flies* speaks to this boy in a hallucination. This character is described as quiet and possibly epileptic.

ANSWER: **Simon**

5. This theory posits that the Universe was created – 13.8 billion years ago. For ten points each:

[10] Name this theory in which the Universe experienced a titular rapid expansion from a singularity.

ANSWER: **Big Bang**

[10] Popular in the early 20th century was this competing theory, which held that the expanding Universe has a constant density due to the continuous creation of matter.

ANSWER: **Steady State**

[10] Earlier, this argument was put forth in support of a finite or dynamic Universe. This paradox claims that if there was an infinite number of stars in a homogenous, static Universe, then the night sky would be fully covered with stars.

ANSWER: **Olbers'** paradox

6. Deceased Roman emperors were often said to have undergone this process. For ten points each:

[10] This Greek word refers to the process of becoming a deity. The Capitol rotunda has a fresco of George Washington undergoing this process.

ANSWER: **Apotheosis** (do not accept “deification” or “divinization”)

[10] This Greek god was born mortal, invented wine, underwent apotheosis, and moved to Mount Olympus.

ANSWER: **Dionysus** (do not accept or prompt on **Bacchus**)

[10] This son of Apollo was born mortal, learned secret healing knowledge from snakes, brought a man back from the dead, and was made immortal by Zeus.

ANSWER: **Asclepius**

7. These properties include osmotic pressure and freezing point depression. For ten points each:

[10] Give this term for properties that depend on the concentration of solute and not the nature of the solute itself.

ANSWER: **colligative** properties

[10] One colligative property is the relative lowering of this quantity, which is equal to the atmospheric pressure at the normal boiling point.

ANSWER: **vapor pressure**

[10] This law states that the partial vapor pressure of components in a mixture equals the vapor pressure of the component times the concentration.

ANSWER: **Raoult's** Law

8. This man was the wealthiest member of the First Triumvirate. For ten points each:

[10] This Roman is said to have operated the world's first firefighting service; if he was not paid upfront, he would not have the fire put out.

ANSWER: **Crassus**

[10] This Pennsylvania delegate to the Constitutional Convention is said to have organized one of the first volunteer fire departments in the Americas.

ANSWER: Benjamin **Franklin**

[10] This is the fire department Franklin helped to found; the Fellowship Fire Company, also in Philadelphia, was formed within a year of it.

ANSWER: **Union Fire Company**

9. In this novel, Romero cuts off the ear of a bull and gives it to Brett. For ten points each:

[10] Jake Barnes and other expatriates go to Pamplona to watch bullfights and bull runs and drink in this novel.

ANSWER: **The Sun Also Rises**

[10] *The Sun Also Rises* was written by this author whose experiences in World War I were the basis for his novel *A Farewell to Arms*.

ANSWER: Ernest **Hemingway**

[10] Shortly before being sent off to World War I as an ambulance driver, Hemingway was a reporter for this newspaper based in Missouri's largest city.

ANSWER: The **Kansas City Star** (prompt on partial answer)

10. This scene was untraditionally shown on the net of a hypercube by Dalí. For ten points each:

[10] Name this artistic scene from the New Testament. It is chronologically followed by The Deposition of Christ, which shows his body being removed from a title instrument of torture.

ANSWER: The **Crucifixion** or **Corpus Hypercubus**

[10] The center figure in this painting is posed similar to Christ in depictions of the Crucifixion. This painting shows blue coated soldiers with guns pointed at that white shirted man who also has the stigmata on his right hand.

ANSWER: *The* **Third of May, 1808** or **El tres de mayo de 1808 en Madrid**

[10] This is the Spanish artist of *Third of May, 1808* as well as a series of gruesome scenes from the Napoleonic invasion of Spain called *The Disasters of War*.

ANSWER: Francisco **Goya** y Lucientes

11. Answer some questions related to an evolutionary phenomenon. For ten points each:

[10] Name this species of large flightless bird endemic to Mauritius, hunted to extinction less than century after first contact with Europeans.

ANSWER: **Dodo** or **Raphus cucullatus**

[10] Without predation or competition, smaller species tend to grow larger, an example of this phenomenon. This phenomenon explains the large size of the dodo, as well as the existence of giant tortoises on the Galapagos islands.

ANSWER: **Island Gigantism**

[10] This boat, captained by Robert Fitzroy, brought three giant tortoises back to England on its second voyage, along with twelve species of finches.

ANSWER: *The* **Beagle**

12. *Dream of the Red Chamber* is regarded as one of these works. For ten points each:

[10] Give this name for the most widely reproduced and well-known pre-modern Chinese novels.

ANSWER: **Four Great Classical Novels** or **si da ming zhu**

[10] Luo Guanzhong wrote this novel about the interactions of Shu Han, Eastern Wu, and Cao Wei.

ANSWER: **Romance of the Three Kingdoms** or **san guo yan yi**

[10] This novel written in vernacular Chinese features a band of outlaws gathering at Mount Liang before being called to serve by the government.

ANSWER: **Water Margin** or **shui hu zhuan**

13. Australia has struggled with the civil rights of these people. For ten points each:

[10] These indigenous Australians were frequently massacred at the beginning of British colonization of Australia.

ANSWER: **Aborigines**

[10] This name refers to the children of Aborigines and Torres Strait Islanders who were forcibly removed from their parent between 1905 and 1969.

ANSWER: **Stolen Generation**

[10] This was the first Aboriginal member of the Australian Parliament; he was named Australian of the Year in 1979.

ANSWER: Neville **Bonner**

14. This country was originally known as the Versailles State. For ten points each:

[10] This former Socialist state was ruled by Josip Broz Tito and led the Non-Aligned Movement.

ANSWER: **Yugoslavia**

[10] The parliament of this primarily Catholic successor state to Yugoslavia is called the Sabor.

ANSWER: **Croatia**

[10] The Constitution of Croatia is sometimes known as this holiday's constitution because of its adoption date.

ANSWER: **Christmas**

15. The Igbo people inhabit the southern part of this country. For ten points each:

[10] This most populous African nation is majority Christian, but roughly 40% of its population is Muslim.

ANSWER: Federal Republic of **Nigeria**

[10] This Western Nigerian ethnic group led the Oyo Empire, leading to their substantial population in neighboring Benin.

ANSWER: **Yoruba**

[10] This traditional religion of the Yoruba has thunder god Ogun and the expectation that all people will become one with Olodumare, the spirit of creation.

ANSWER: **Orisa**-ifa

16. Betty Friedan was an American writer involved in this movement. For ten points each:

[10] Name this social and philosophical movement frequently divided into waves focused on reevaluating gender biases inherent in earlier works.

ANSWER: **Feminism**

[10] This author gave much of the ideological background for second-wave feminism; this French existentialist believed that one is not born, but rather becomes, a woman.

ANSWER: Simone Lucie Ernestine Marie Bertrand de **Beauvoir**

[10] This major treatise by Beauvoir argues that women are always treated as the Other so that men don't need to try to understand them or their problems; she further argues woman has been defined in terms of man, so women are the titular concept.

ANSWER: The **Second Sex**

17. This water structure provides hydroelectric power to Nevada, Arizona and California. For ten points each:

[10] Name this second-tallest dam in the United States, renamed by Harry Truman in 1947.

ANSWER: **Hoover** Dam (prompt on Boulder Dam)

[10] This reservoir was formed by the construction of the Hoover Dam; though this reservoir on the Colorado river is usually the largest in the United States, a drought has allowed Lake Sakakawea to hold the most water of any U.S. reservoir.

ANSWER: **Lake Mead**

[10] The Hoover Dam is located in this canyon, named for the visually distinctive volcanic rocks in the area.

ANSWER: **Black** Canyon

18. Vaccinations for this disease are marketed as Shanchol and Dukoral. For ten points each:

[10] The oral vaccine for this bacterial infection is effective for roughly 6 months and is on the World Health Organization's list of essential medicines. This disease causes severe diarrhea, dehydration, and is named after the Greek word for bile.

ANSWER: **cholera**

[10] The Broad Street cholera outbreak occurred in the Soho district of this city, caused in part by dumping overflowing cesspits into the Thames.

ANSWER:

[10] This father of modern epidemiology studied the Broad Street outbreak and identified the cholera-infested water pump, disproving the bad air theory.

ANSWER: John **Snow**

19. Lewis Nkosi hails from this country. For ten points each:

[10] Alan Paton is an author from this country whose capital at Johannesburg is the setting of his most famous novel.

ANSWER: Republic of **South Africa**

[10] This novel by Paton features the murder of Arthur Jarvis, a white campaigner for racial equality, and Jarvis' father's charity enabling Kumalo to stay in his home village.

ANSWER: **Cry, the Beloved Country**

[10] "Disgrace", a novel about an English professor's continual series of disgraces, was written by this South African recipient of the Nobel Prize in Literature.

ANSWER: John Maxwell **Coetzee**

20. This musician had notably collaborated with Ella Fitzgerald. For ten points each:

[10] Name this composer of "In a Sentimental Mood" who had a noted residency at New York City's Cotton Club.

ANSWER: Duke **Ellington**

[10] This other musician wrote and recorded the songs "Sir Duke" and "I Just Called to Say I Love You".

ANSWER: Stevie **Wonder** (or Stevland **Morris**)

[10] Stevie Wonder and Duke Ellington both primarily played this keyed instrument.

ANSWER: **piano**forte

EXTRA:

Indonesia is the fourth most populous nation on the planet. For ten points each:

[10] This nation occupied Indonesia during World War II. It also occupied Malaysia and invaded Thailand.

ANSWER: **Japan** or **Nihon**-koku or **Nippon**-koku

[10] This man ruled the newly-independent state of Indonesia and balanced the competing interests of the Communists and the military.

ANSWER: **Sukarno**

[10] However, General Suharto usurped his power and reigned in this period, implementing a series of novel economic and social reforms.

ANSWER: **New Order** or **Orde Baru**