

Eisenhower Memorial Tournament 2017: Dunning-Kruger? I Hardly Know ‘Er!

Questions by Vasa Clarke, Ryan Humphrey, Alex Damisch, Jacob O’Rourke, Gabe Guedes, Charles Hang, and Alex Dzurick

Packet 12: Tossups

1. After pinning a photograph of the protagonist of this novel next to that of a bank robber, a character claims that such a man “does no real harm.” A character in this novel hides a book in his oven before running to catch a boat that has already left. Another character in this novel shows a boy his gun after the boy throws a rock at him while pretending it was a bomb. That character from this novel takes a hostage from (*) Concepción as part of his strategy for hunting the protagonist. The protagonist of this novel is hidden in a barn and taught Morse Code by a girl named Coral Fellows. At the end of this novel, the protagonist is lured into a trap when asked to hear a dying man’s confession and is executed by a lieutenant. For 10 points, name this Graham Greene novel centering on a “whiskey priest.”

ANSWER: *The Power and the Glory* <GG, British Lit>

2. When a mathematical structure has only one of these objects and “n” self-loops, it is called a bouquet. In an incidence matrix, entries for arcs going away or towards one of these things are denoted -1 and 1, respectively. A classic NP-complete problem seeks to identify the minimum number of these objects that may form a “cover”. If removing one of these objects increases the number of components that are connected, then they are described as (*) “cut”. Starting at the root one of these, visiting each of these once, and then backtracking is called the depth-first algorithm. The number of branches that touch one of these is called its degree, and the shortest path between two of these can be found using Dijkstra’s [DIKE-stra’s] algorithm. For 10 points, name these parts of graphs that are connected by edges.

ANSWER: vertex [accept vertices, accept nodes, prompt on “points”] <AWD, Other Science>

3. A decree from session 25 of the Council of Trent stated that those suffering here are helped by the “suffrages of the faithful, but principally by the acceptable Sacrifice of the Altar.” A Scripture verse sometimes used to support belief in this place, Revelation 21:27, says that a certain accomplishment will only be achieved by those “written in the Lamb’s book of life” and not by those who are “unclean.” This place of purifying (*) fire is a consequence only for lesser, or venial, sins. A Catechism of Vatican II says that those “who die in God’s grace in friendship, but [are] still imperfectly purified” go to, for 10 points, this place in Catholic theology, an intermediate step between death and Heaven.

ANSWER: (being in) purgatory <AWD, Religion>

4. The “mystery” of this event was chronicled in an article about “skunks, bogies, [and] silent hounds” by Robert J. Hanyok. This event took place during the eighteenth DESOTO patrol. The mainstream response to this event was publicly opposed by Ernest Gruening and Wayne Morse. A Connecticut newspaper published a sensational letter from John White asserting that this event had been in part (*) fabricated. During this event, which was initiated by Captain John Herrick, the USS *Turner Joy* fired hundreds of shells at targets which probably didn’t exist in support of another naval vessel, the USS *Maddox*. For 10 points, name this event which prompted a Congressional resolution which authorized President Lyndon Johnson to escalate the Vietnam War.

ANSWER: Gulf of Tonkin incident [or USS Maddox incident until mentioned] <VC, World History>

5. A very short song by this composer alternates between the two whole tone scales and ends with a boy wondering “is life anything like that?” This composer wrote a song whose melody paraphrases the hymn “There is a Fountain Filled With Blood” every time the singer asks “Are you washed in the blood of the lamb?”; that piece, which sets text by Vachel Lindsay, is *General William Booth Enters into Heaven*. A trumpet is the only brass instrument in one work by this composer that uses an (*) offstage string orchestra playing triple piano the entire piece; that work, *The Unanswered Question*, was originally paired with his *Central Park in the Dark*. A block of wood is used to play a cluster chord in this composer’s sonata that has movements named after the Alcotts and Thoreau. For 10 points, name this American insurance salesman and composer of the *Concord Sonata*.

ANSWER: Charles Ives <AWD, Music>

6. During a battle at this location, a wounded participant was dragged away from here so that he would die, because he could only die far away from his native land. A young shepherd was brought to this location by a

giant eagle, after which his father was given some horses. The failure of a cattle raid led to a young man (*) giving up his right to stay forever in this place. A journey to this location was ended after a man was blinded by a thornbush due to his horse being stung by a gadfly. This was the target of several giants slain by Heracles, who himself came to live in this location after death. For 10 points, identify this place which Bellerophon unsuccessfully attempted to reach while riding Pegasus, the home to twelve of the major Greek gods.

ANSWER: Mount Olympus [prompt on answers such as “home of the Greek gods” until mentioned] <VC, Myth>

7. During this process in birds and mammals, the inward movement of Koller’s sickle beyond the posterior marginal zone results in the formation of a structure whose anterior end is known as Hensen’s node. A group of cells responsible for mediating this process in zebrafish develop into Kupffer’s vesicle. During this process in *Xenopus laevis*, apical constriction of bottle cells leads to the formation of the dorsal lip of the (*)

blastopore. Epiboly, ingression, and convergent extension are common forms of cellular movement that occur during this process. Secondary invagination in this process involves the elongation of the archenteron until it attaches to the animal pole. For 10 points, name this process in which the three germ layers develop from a blastula.

ANSWER: gastrulation <RH, Biology>

8. John Holcroft wrote the first article during this event that espoused the phrase “hurrah for Tom the Tinker.” Albert Gallatin, the future Secretary of the Treasury, failed to prevent this event at the Redstone meetings. The residents of Hagerstown put up liberty poles to support one side during this event. A local militia commander named James McFarlane died during this event while the home of the tax collector John(*) Neville was being attacked. An army during this event was derisively nicknamed the “Watermelon Army.” Governor Robert Mifflin refused to call out the state militia during this revolt, which was put down by Light-Horse Harry Lee and Alexander Hamilton. For 10 points, name this rebellion in Western Pennsylvania over a tax on spirits.

ANSWER: Whiskey Rebellion [or Whiskey Revolt] <JO, American History>

9. In the upper left of this work, two sailboats can be seen on a lake spanned by a rail-bridge. In the upper right of this work, an artist and a bureaucrat can be seen flirting with a woman in all black with hands to her face. The actress Ellen Andree wears a tan hat with a single flower while drinking from a glass in the center of this work. The future (*) wife of this work’s artist, Aline Charigot, can be seen playing with a small dog in the lower left. Now held in the Phillips Collection in Washington DC, this work depicts fellow artist Gustave Caillebotte wearing a straw hat in the lower right, and all of the individuals in this work stand under a red and white-striped awning. For 10 points, name this Impressionist painting depicting many of its artist’s friends enjoying a daytime meal by Pierre-Auguste Renoir.

ANSWER: Luncheon of the Boating Party <RH, Painting>

10. The protagonist of this novel claims that it is the presence of art in *Crime and Punishment* that moves us rather than Raskolnikov’s crime after reading poetry with Samdeviatov. In one scene in this novel, a woman carrying a loaded revolver dances with a man whose father gave a speech denouncing a group of striking railway workers. At the end of this novel, two friends of the protagonist discover a laundry-girl named Tanya while fighting in (*) World War II who happens to be the title character’s daughter. The protagonist of this novel tricks a woman into escaping with Komarovsky while he goes to Moscow and settles down with Marina. For 10 points, name this novel in which the title character has an affair with Lara and serves in the Russian Civil War, a novel by Boris Pasternak.

ANSWER: Doctor Zhivago <GG, European Lit>

11. English travellers in the Kingdom of Kandy wrote several accounts of executions using these weapons. Muslim tradition describes the miraculous deliverance of Mecca from one of these weapons in the birth year of Muhammad. Romans called these things “Luca bos,” or Lucanian cattle, after seeing them used in the Pyrrhic War. (*) Charlemagne received one of these things named “Abdul-Abbas” as a gift from the Abbasid caliph. Successful tactics against these things in war included setting pigs on fire because these things are scared of pigs. In Chinese chess, this is the only piece which cannot cross the river, perhaps because this animal is so heavy. For 10 points, name these terrifying animals which Hannibal successfully transported across the Alps.
ANSWER: war elephants [or xiàng] <VC, Misc/Other History>

12. Core beliefs about one of these things including explanation and unity are introduced by Mark Johnston, who identifies this as a cluster concept. Descartes believed that perceiving these things was the same as perceiving something “to whose nature we are ignorant but which produces...sensation.” A brilliant scientist who has never personally experienced this concept is introduced to them in Frank (*) Jackson’s thought experiment about “Mary’s Room.” Two of these things are defined relative to time by Nelson Goodman’s “new riddle of induction.” A specific one of these concepts was imagined without existing by David Hume, who speculated on a “missing shade” of one of these. For 10 points, name these things, nonexistent examples of which include grue and bleen.
ANSWER: colors <VC, Philosophy/Social Science>

13. In the 1972 World Chess Championship, Bobby Fischer’s first game against Boris Spassky went poorly after Fischer sent one of these pieces to capture a poisoned pawn. Advancing a pawn to where it can attack one of these pieces is key to the Evans Gambit. This piece is advanced by white on the third move in the Torre Attack. Moving this piece one or two squares in front of a knight is called a (*) fianchetto, and is frequently used in hypermodern openings. How far this piece is advanced determines the difference between the Italian Game and the Ruy Lopez. These pieces, along with knights, are informally worth three points. For 10 points, name this piece which in chess can only move diagonally.
ANSWER: bishop <VC, Other/Trash>

14. In 1382, residents of this city demonstrated their opposition to new taxes by grabbing a bunch of iron mallets and starting a riot. A provost of the merchants in this city moved this city’s government to the House of Pillars. A ruler who lived in this city was forced to renounce any attempt at peace after the Day of the Barricades. This was the second city in which Henry VI of (*) England was crowned king. Targeted assassinations in this city of rival noblemen spiralled out of control in the St. Bartholomew’s Day Massacre. After converting to become a Catholic, Henry of Navarre remarked that this city was “well worth a mass.” For 10 points, name this city where Louis XVI was beheaded, the capital city of France.
ANSWER: Paris <VC, European History>

15. A term for the inertial force and a term for this phenomenon are added on the right-hand side of the Morison equation. In that equation, this phenomenon is calculated as one-half times the mass density, the velocity squared, the reference area, and a certain coefficient. When that coefficient describing this phenomenon rapidly decreases in response to an increasing Reynolds number, it is called the (*) “crisis” of this phenomenon. Observing the lack of this phenomenon in an incompressible and inviscid flow was key to the resolution of D’Alembert’s paradox. According to Stokes’ law, this force is proportional to the fluid velocity for spherical objects, and when gravity is equal to this force, an object in free fall reaches its terminal velocity. For 10 points, name this force that opposes the motion of an object in a fluid.
ANSWER: drag force [or air resistance; prompt on “friction”] <RH, Physics>

16. One poem by this author describes a “female form” and how a “divine nimbus exhales from it from head to foot” before the speaker claims he is “drawn by its breath” like a “helpless vapor.” In another poem, this author orders “Flow on, river! Flow with the flood-tide, and ebb with the ebb-tide” after describing those who “will enter the gates of the (*) ferry and cross from shore to shore.” A poem by this author concludes with a lengthy list that includes “ankles, instep, foot-ball, toes” before the line “O I say now these are the soul!” In another poem, this author claims the “ship is anchor’d safe and sound, its voyage closed and done” and repeats that its title figure is “fallen cold and dead.” For 10 points, name this poet of “I Sing the Body Electric” and “O Captain! My Captain!”

ANSWER: Walt Whitman <GG, American Literature>

17. *Description Acceptable.*

One of the first sites supporting this cause was hosted on the property of LaDonna Allard. The Sheriff’s Office of Morton County released a video of marine Raymond Morrell criticizing this cause in response to the veterans who were joining it. Rumors that local police were using (*) Facebook check-ins to track people at a site supporting this cause led to over one million check-ins at that site. The victories of this cause were opposed by a presidential memorandum ordering the Army Corps of Engineers to end its environmental impact assessment of a certain structure. The focus of this cause is a structure designed to run from the Bakken oil fields and under Lake Oahe and the Standing Rock Reservation. For 10 points, name this cause opposed to the building of a certain pipeline.

ANSWER: opposition to the Dakota Access Pipeline [or #NoDAPL] <GG, Geography/Current Events>

18. An *andantino dolente* [“doe-LENT-ay”] section of a ballet by this composer features string tremolos and metrically ambiguous oboe and clarinet solos that obscure the beat for the thirteen women in nightgowns in the “Intercession of the Princesses” dance. One choreographer of a ballet by this man said that the Moor should be danced all turned out, but the introverted title (*) puppet should be all turned in. One ballet by this composer begins a group of five dancers in primitive costumes jumping and stomping rhythmically to the beat in that ballet’s *Dance of the Adolescent Girls*, one of whom is eventually sacrificed as part of “The Adoration of the Earth.” That work was commissioned by Sergei Diaghilev and choreographed by Vaslav Nijinski. For 10 points, name this composer for ballets like *Petrushka*, *The Firebird*, and *The Rite of Spring*.

ANSWER: Igor Stravinsky <AWD, Other Art>

19. One poem by this author begins with a man showing tourists his wounds and explaining how trees are felled to build canoes, one of which is named *In God We Troust*. Another poem by this author opens by describing the “sail that leans on light, / tired of islands” before claiming that the “ancient war / between obsession and responsibility / will never finish.” That poem by this author ends, (*) “The classics can console. But not enough.” In another poem, this author described Major Plunkett’s desire to write a history of an island where Philoctete and Seven Seas frequent Ma Kilman’s No Pain Café. That long poem by this author focuses on the love triangle between fishermen Achille and Hector and Helen, a local woman. For 10 points, name this St. Lucian author of “Sea Grapes” and *Omeros*.

ANSWER: Derek Walcott <GG, World Lit>

20. One equation for calculating this quantity was derived by replacing a certain constant from the classic method of calculating this quantity with 0.87 times the number of ions in the empirical formula. That modified equation for finding this quantity is fixed for mono-valent radii, includes a term for the averaged Mad-e-lung constant, and is named for Ka·pus·tin·skii. The classical equation for calculating this quantity includes terms for Avogadro’s number, the Born exponent, and the (*) anionic and cationic charge numbers. Since this quantity cannot be measured directly, it may also be calculated by subtracting four terms from the net enthalpy of formation in the Born-Haber cycle. This quantity becomes more negative for ions with higher charge values and that are closer together. For 10 points, name this quantity, symbolized U, equal to the energy released by a crystal forming from infinitely separated ions.

ANSWER: lattice energy [or lattice enthalpy, or energy of crystallization, or enthalpy of crystallization; prompt on “energy”; do not prompt on or accept any other type of “enthalpy” other than what is listed] <RH, Chem>

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Packet 12: Bonuses

1. The fictional inventor Felix Hoenikker created a type of this substance for military use, which President Manzano later uses to commit suicide. For 10 points each:

[10] Name this substance, whose "nine" version is a solid at room temperature in the novel *Cat's Cradle* by Kurt Vonnegut.

ANSWER: **ice** [accept **ice-nine**; prompt on "water" or "H₂O"]

[10] Geoffrey Pyke proposed a mixture of ice and this substance as the material from which he would construct the indestructible ship *Habakkuk* during World War II.

ANSWER: **wood** pulp [accept **sawdust**, **wood** fiber, **paper** fiber, etc.]

[10] It's not indestructible, but the ice created by this character is pretty strong, given his superpowers. This Samuel L. Jackson-voiced character would like to know the location of his supersuit.

ANSWER: **Frozone** [or Lucius **Best**] <ADZ, Other>

2. Peter the Great had a lot of trouble to deal with in Russia. Answer some questions about them, for 10 points each:

[10] While travelling, Peter the Great faced rebellions among these military units, the musket-wielding guards regiments of Tsarist Russia. He dealt with the problem of these soldiers by having a lot of them killed horribly.

ANSWER: **streltsy**

[10] Peter the Great also quarrelled with a son of his with this name, the child of his first wife Eudoxia, who once tried to flee Russia. He dealt with the problem of this person by having him brought back and killed horribly.

ANSWER: **Alexei** Petrovich Romanov

[10] Peter the Great had such a poor relationship with these independent-minded people, some of whom lived along the Don River, that they rose up in the Bulavin Rebellion. He dealt with the problem of these people by having a lot of them killed horribly.

ANSWER: **Cossacks** <VC, European History>

3. One of this author's poems describes how "In Kyoto, / hearing the cuckoo, / I long for Kyoto." For 10 points each:

[10] Name this poet who began writing under his most famous pseudonym after a gift of trees from a student. He recounted a walk of over 1,200 miles with his student Sora in a book translated as *Narrow Road to the Deep North*.

ANSWER: Matsuo **Basho** [or Matsuo **Kinsaku**]

[10] Basho is one of the masters of this kind of poetry, which consists of alternating phrases of 5, 7, and 5 syllables. One poem in this form describes a frog jumping into water.

ANSWER: **haiku**

[10] Haikus require this kind of word that marks a transition between two segments. In the aforementioned frog haiku, the last word of the phrase "*Furu ike ya*" serves as this kind of word.

ANSWER: **cutting** word [or **kireji**] <GG, World Lit>

4. Created while its artist was at Pont-Aven in Brittany, this work was inspired by the woodcuts of Hiroshige and Hokusai. For 10 points each,

[10] Name this work in which a group of French peasant women in black robes and white bonnets watch on as Jacob wrestles the angel in front of a vibrant red background.

ANSWER: ***Vision After the Sermon***

[10] *Vision after the Sermon* is a work by this French Post-impressionist artist of the *Yellow Christ*. This artist is also known for many colorful depictions of life in Tahiti.

ANSWER: Paul **Gauguin**

[10] In 1889, many Gauguin's works were debuted at the Volpini Exhibition, which deliberately barred works by neo-impressionists like this artist, who is best-known for his portrait of art critic Felix Feneon in front of a spiraling colorful background, and for developing pointillism with Georges Seurat.

ANSWER: Paul **Signac** <RH, Painting>

5. One alternative work-up for this reaction is the Ing-Manske procedure, and the sodium salt of saccharin is one alternative to this reaction's primary reagent. For 10 points each,

[10] Name this reaction in which potassium phthalimide is used to convert primary alkyl halides into primary amines.

ANSWER: **Gabriel synthesis**

[10] The initial step of the Gabriel synthesis is typically performed in an aqueous or ethanolic reflux containing this compound. This pnictogen hydride produced in the Olin Raschig process is also commonly found in rocket fuels.

ANSWER: **hydrazine**

[10] The Olin-Raschig process for producing hydrazine begins by reacting a solution of sodium hypochlorite with a three-fold excess of this compound, which is itself synthesized in the Haber-Bosch process.

ANSWER: **ammonia** <RH, Chemistry>

6. Miguel Grau, the "Gentleman of the Seas," ordered the rescue of the crew of the *Esmeralda* at this war's Battle of Iquique. For 10 points each:

[10] Name this war, which was fought over guano and saltpeter deposits in the Atacama Desert. As a result of this war, Bolivia became completely landlocked.

ANSWER: War of the **Pacific** [or Guerra del **Pacífico**]

[10] This country defeated Bolivia and Peru in the War of the Pacific. The Chicago Boys advised this country's dictator, Augusto Pinochet.

ANSWER: **Chile** [or Republic of **Chile**; or Republica de **Chile**]

[10] Grau was finally killed at this naval battle in the War of the Pacific after being shot by an armor-piercing shell by the *Almirante Cochrane*. The Chilean navy became the dominant power during the war after this battle.

ANSWER: Battle of **Angamos** <JO, World History>

7. This scientist's wife supposedly remarked "I have seen my death" upon viewing the results of his most famous discovery. For 10 points each,

[10] Name this scientist whose most famous experiment involved a Ruhmkorff coil attached to a Hittorf-Crookes tube, and a cardboard sheet painted with barium platino-cyanide placed inside of a dark room.

ANSWER: Wilhelm **Röntgen**

[10] That experiment led to Röntgen discovering this type of EM radiation, which is longer than gamma radiation and shorter than UV. For that discovery, Röntgen was awarded the 1st Nobel Prize in Physics.

ANSWER: **x-ray** radiation [prompt on "Rontgen rays"] (the wife was looking at an X-ray of her hand)

[10] Röntgen's discovery of X-rays was one of the earliest publications in this prominent, UK-based scientific journal. The original paper documenting the cloning of Dolly the sheep was also published by this journal.

ANSWER: **Nature** <RH, Other Science>

8. During this man's monologue, the cry "Who the hell cares? We want to pass out in peace" is taken up by various characters as the detective Moran joins his companion Lieb at a table. For 10 points each:

[10] Name this character who gives a lengthy monologue in which he describes how he killed his wife Evelyn because he knew if he attended Harry Hope's birthday he'd "never have the guts to go back and be forgiven."

ANSWER: **Hickey** [or either underlined portion of **Theodore Hickman**]

[10] Hickey delivers his monologue in this Eugene O'Neill play in which the patrons of Harry Hope's saloon muse about their various "pipe dreams."

ANSWER: *The **Iceman Cometh***

[10] At the end of the play, Larry listens for *this action* to occur after another character tells Hugo that he will buy him a drink tomorrow "beneath the willow trees." This action causes Larry to gasp and hide his face in his hands.

ANSWER: **Don Parritt's suicide** [accept either underlined portion of his name, accept more specifically that he "**throws himself off the building**" or equivalents] <GG, American Literature>

9. Prior to this event, two of its central figures went on a nearly 900 mile preaching tour on horseback. For 10 points each,

[10] Name this event, held at Baltimore's Lovely Lane Chapel, in which men like the co-superintendents Thomas Coke and Francis Asbury helped establish a certain religion in the United States.

ANSWER: **Christmas conference** [accept BUT OTHERWISE DO NOT MENTION 1st **General Conference** (of Methodism)]

[10] The Christmas Conference was fundamental to the foundation of this Protestant denomination in the US. This Christian denomination is based on the teachings of John Wesley.

ANSWER: **Methodism**

[10] Another founding methodist was open-air preacher George Whitefield, who is probably better-known as a leading figure in this 1730's religious revival in the United States, the first of its kind.

ANSWER: First **Great Awakening** <RH, Religion>

10. From the armpits of this being, the first generation of giants was spontaneously generated from this being's sweat. For 10 points each:

[10] Name this ancestor to the Norse giants, who drank the milk of the cow Audumbla and whose body was used to form the world.

ANSWER: **Ymir**

[10] Ymir was slain by Vili, Ve, and this god. This god will be eaten by Fenrir at Ragnarok, and spends his time until then riding around on his eight-legged horse, Sleipnir.

ANSWER: **Odin**

[10] Odin, Vili, and Ve were the grandsons of this first Norse god. The cow Audumbla created this god by licking at blocks of ice.

ANSWER: **Buri** <VC, Myth>

11. This poem begins, "Between my finger and my thumb / The squat pen rests, snug as a gun" before the speaker hears the "clean rasping sound" of his father performing the title action. For 10 points each:

[10] Name this poem in which the speaker describes the "cold smell of potato mould, the squelch and slap / Of soggy peat." It includes the line, "By God, the old man could handle a spade."

ANSWER: **"Digging"**

[10] "Digging" was written by this Irish poet of the collection *Death of a Naturalist* who published an award-winning translation of Beowulf in 2000.

ANSWER: Seamus **Heaney**

[10] Heaney wrote this poem in which the speaker describes how "our hands were peppered / With thorn pricks, our palms sticky as Bluebeard's." It ends, "Each year I hoped they'd keep, knew they would not" after the title action.

ANSWER: **"Blackberry-Picking"** <GG, British Lit>

12. When sound waves interact in transparent crystals, the Schaefer-Bergmann form of this phenomenon is produced. For 10 points each,

[10] Name this phenomenon that also results in the production of Airy disks and Newton rings. This phenomenon is the bending or spreading of a wave around an obstacle, such as a double slit or its namesake "grating".

ANSWER: **diffraction**

[10] This principle states that the diffraction pattern produced from an aperture by an opaque body is identical, except for in the intensity, to the pattern produced by a hole of the same size and shape.

ANSWER: **Babinet's** principle

[10] Diffraction in the near-field can be described with the formalism named for this French scientist, which occurs when his namesake number is greater than one. He also names a set of equations describing light passing between media with different indices of refraction.

ANSWER: Augustin-Jean **Fresnel** [or **Fresnel** equations or **Fresnel** (near-field) diffraction] <RH, Physics>

13. One of this director's films begins with cuts between a man pacing across a room, an unseen figure pulling a fire alarm, and firefighters jumping out of bed to dress themselves. For 10 points each:

[10] Name this silent film director who pioneered cross-cutting with his *The Life of an American Fireman* and a film that begins with two men holding up a man at gunpoint, tying him up, and leaving him on the ground.

ANSWER: Edwin Stanton **Porter**

[10] Porter may be most famous for this aforementioned 1903 film that depicts a group chasing down the perpetrators of the title locomotive crime. It ends with a man firing his gun directly at the camera.

ANSWER: *The* **Great Train Robbery**

[10] Also active in the 1900's was this French filmmaker whose film *A Trip to the Moon* features the Man in the Moon wincing as a rocket lands in his eye and travellers who use umbrellas to defeat some aliens.

ANSWER: George **Méliès** ["mell-yeys"] <GG, Other Art>

14. This monarch provided foreign aid to the Dutch Republic under the terms of the Treaty of Nonsuch. For 10 points each:

[10] Name this last ruler from the Tudor dynasty, who was served by the spymaster Sir Francis Walsingham.

ANSWER: **Elizabeth I** [prompt on "Elizabeth"]

[10] In anticipation of the Spanish Armada, Queen Elizabeth I made a speech to her assembled forces at this Essex town. Part of that speech delivered here states that "I know I have the body of a weak, feeble woman, but I have the heart and stomach of a king."

ANSWER: **Tilbury**

[10] Several of these weapons were used by the fledgling English navy to disrupt the Spanish Armada. During the Dutch Revolt, particularly explosive examples of these weapons were nicknamed "hellburners."

ANSWER: **fireships** <VC, Misc./Other History>

15. Daniel Boone travelled through this mountain pass heading west when creating the Wilderness Road. For 10 points each:

[10] Name this Appalachian mountain pass located at the western edge of Virginia. A "trucker out of Philly" mentioned in the song "Wagon Wheel" has recently departed this geographical feature.

ANSWER: **Cumberland Gap**

[10] Travelling from Virginia through Cumberland Gap would put you in this "Bluegrass State," where you would find the entirety of Daniel Boone National Forest.

ANSWER: **Kentucky**

[10] A species of blind shrimp are native to Kentucky's "mammoth" one of these ecosystems, which was explored by the slave Stephen Bishop. Another one of these features is the only interesting characteristic of Luray, Virginia.

ANSWER: **cave** [or **cavern**] <VC, Geography>

16. One work of this type by Richard Lee includes a section on "Eating Christmas in the Kalahari". For 10 points each,

[10] Name this type of anthropological work which, typically following fieldwork, attempts to extensively and systematically describe a culture of society.

ANSWER: **ethnography** [accept specific types like "salvage ethnography"]

[10] This early anthropologist who was a proponent of the theory that anthropologists should be fully engrossed in the culture they are studying, which can be seen in his *Argonauts of the Western Pacific*.

ANSWER: Bronislaw **Malinowski**

[10] This documentary by Robert Flaherty is a classic example of the "salvage" type of ethnography. Various scenes in this film include a walrus hunt, one at a trading post, and one of the central characters constructing an igloo.

ANSWER: **Nanook of the North** <RH, Social Science>

17. These entities may be created with the UPGMA method or with the neighbor joining method. For ten points each,

[10] Name these branching diagrams displaying the evolutionary relationships between a group of organisms.

ANSWER: **phylogenetic trees** [accept “**evolutionary trees**” or just “**phylogeny**”, prompt on “cladograms”, “tree of life”, “phylograms”, “chronograms”]

[10] When constructing smaller phylogenetic trees by hand, this method is typically used to determine the optimal tree, since it seeks to minimize the total number of changes, and maximize its namesake quantity.

ANSWER: maximum **parsimony** method

[10] Consider an unrooted phylogenetic tree for six species. How many internal nodes will any given tree constructed for these species possess?

ANSWER: **four** (for an unrooted tree with N leaves/species, it will have N - 2 internal nodes) <RH, Biology>

18. This play ends with a monologue in which a character says that he and another woman will “be together in our bear’s cave, and our squirrel’s drey, and we’ll live on honey, and nuts.” For 10 points each:

[10] Name this play in which Helena leaves Jimmy Porter’s residence after Alison returns and tells her that she lost the baby she was carrying after going home with her father, Colonel Redfern.

ANSWER: ***Look Back in Anger***

[10] The stage direction “exit, pursued by a bear” appears in this play in which Polixenes escapes Sicilia with the aid of Camillo, leading Leontes to accuse his wife of infidelity and throw her in prison.

ANSWER: ***The Winter’s Tale***

[10] The bear Baloo, who is partly responsible for educating the wolf cubs, appears in this Rudyard Kipling collection that includes “Mowgli’s Song” and “Rikki-Tikki-Tavi.”

ANSWER: ***The Jungle Book*** <GG, British Lit>

19. Ludwig van Beethoven actually wrote two of these marked “quasi una fantasia.” For 10 points each:

[10] Name these piano pieces. One in C-sharp minor is called the “moonlight” work of this type.

ANSWER: **sonatas**

[10] This sonata begins with a rolled A major chord in first inversion between both hands, followed by a series of two-note appoggiaturas in the right hand, delaying the left hand’s broken chord statement of the D minor theme.

Reports that Beethoven gave this piece its Shakespearean name are dubious.

ANSWER: Piano Sonata **No. 17** in D Minor, Op. 31, No. 2 [accept The “**Tempest**”]

[10] This sonata’s three movements are all in flat keys, and it begins with a long, eight-note C minor chord followed by a series of dotted-sixteenth thirty-second notes. The theme from this piece’s A-flat major second movement is very similar to that of Mozart’s Piano Sonata No. 14.

ANSWER: Piano Sonata No. 8 [accept “**Pathétique**”] <AWD, Music>

20. The winning candidate in this year’s election relied on a campaign which internally dedicated itself to three messages: change, healthcare, and “the economy, stupid.” For 10 points each:

[10] Name this presidential election year, which resulted in the defeat of a man who hamstrung himself by promising “no new taxes,” then raised taxes anyways.

ANSWER: **1992**

[10] During the 1992 presidential campaign, this candidate claimed that jobs were about to leave America with a “giant sucking sound.” He also said racist things about Maya Lin for her design of the Vietnam Veterans Memorial.

ANSWER: Ross **Perot** [or Henry Ross **Perot**]

[10] This candidate for the Republican nomination in 1992 conceded to George H. W. Bush by giving the “culture war” speech, which highlighted what he believed to be moral dangers from the fledgling Clinton campaign.

ANSWER: Pat **Buchanan** [or Patrick Joseph **Buchanan**] <VC, American History>