

Minnesota Undergraduate Tournament 2013

Questions by Rob Carson, Mike Cheyne, Andrew Hart, Gaurav Kandlikar, Matt Menard, and Bernadette Spencer

Round 10: We Put Our Faith in Blast Hardcheese

Tossups

1. **This man contacted Ken Follett to write the novel *On Wings of Eagles* about this man's role in helping free Americans captured in Iran. He's not Jimmy Carter, but Hamilton Jordan worked for him in a campaign marred by this man reportedly requiring volunteers to sign loyalty oaths. In one election, this man's running mate was mocked for saying "Who am I? (*) Why am I here?" in one debate. That running mate was Vice Admiral James Stockdale. This man claimed there would be a "giant sucking sound" of jobs leaving if NAFTA was ratified. The founder of the Reform Party, he won 18.9% of the popular vote in an election won by Bill Clinton. For 10 points, name this Texas millionaire who ran as a third-party presidential candidate in 1992 and 1996.**

ANSWER: Ross Perot [or Henry Ross Perot]

2. **At one point in this novel, the narrator finds himself unable to move because ball lightning has magnetized both his boots and the nearby metal surface; later, the narrator finds out that it also ruined their compass. This novel's characters spend several weeks waiting for the proper time to observe the "shadow of Scartaris". One character in this novel buys an original manuscript of the *Heimskringla*, which is found to contain a message from the (*) alchemist Arne Saknussemm that sets the plot in motion. The main characters observe gigantic mushrooms and watch a plesiosaur fight an ichthyosaur during their journey across the Central Sea. A party consisting of Hans Bjelke and Axel and Otto Lidenbrock travel to Snaefell and are eventually ejected from Stromboli in, for 10 points, which 1864 Jules Verne novel about an intraglobal expedition?**

ANSWER: A Journey to the Center of the Earth [or A Journey to the Interior of the Earth; or Voyage au Centre de la Terre]

3. **In one *SNL* sketch, this person says "te gusta losing, numbnuts?" before demonstrating the Trojan vibrating massager and saying "I'm Batman." This actor played a disc jockey who is stalked by the Jessica Walter-portrayed Evelyn, a woman who always requests he "play Misty for me." He appeared in one commercial in which he proclaims it's (*) "halftime in America," and this man gave a speech in which he said "I can't tell him to do that. He can't do that to himself." In 2012, this man appeared in a strangely patriotic Super Bowl ad for Chrysler, and he has won an Oscar for directing Hilary Swank as a boxer. At the 2012 Republican National Convention, he infamously talked to an empty chair that represented Barack Obama. For 10 points, name this actor who played Dirty Harry and the Man with No Name.**

ANSWER: Clinton "Clint" Eastwood Jr. [prompt on Bill Hader until the second sentence]

4. **One former religious leader from this city was recently banned from the Santa Maria Maggiore by Pope Francis. This city is home to the headquarters of a federation of non-credal churches whose symbol is a flaming chalice. Another religious complex in this city has a plaza designed by I.M. Pei and is known as the "Mother Church". Another religious group in this city relocated their offices to St. John's Seminary and sold their Brighton land to this city's namesake college. The Unitarian (*) Universalist headquarters is on this city's Beacon Street. This city's former Catholic archbishop, Bernard Law, systematically concealed sexually abusive priests, a scandal uncovered in 2003 by this city's namesake *Globe* newspaper. For 10 points, name this city home to an archdiocese led by Sean Patrick O'Malley, which also oversees its neighbor across the Charles River, Cambridge.**

ANSWER: Boston

5. This pathogen's tropism is determined by the Trofile assay, and the four stem-loop structure of this pathogen's genome is called the psi packaging element. Lamivudine and nevirapine are used to treat infections by this pathogen. This pathogen's spike proteins are made up of gp120 and gp41. Like many lentiviruses, this virus has a protein coat made of p24. This virus enters host cells via (*) CCR5 and CD4. Zidovudine mitigates the spread of this virus by inhibiting its reverse transcriptase, and is also called AZT. This virus infects Helper T cells of the immune system. For 10 points, name this retrovirus that causes AIDS.
ANSWER: HIV [or human immunodeficiency virus; don't accept or prompt on AIDS]

6. This man's sons were called "Blitomammas" or "cabbage suckers." He was mocked as "squill head," possibly a reference to his long head. His illegitimate son and namesake was executed for failing to pick up survivors after the Battle of Arginusae. This man's mistress was the Milesian woman Aspasia. In one speech, this man noted "if we look to the laws, they afford (*) equal justice to all in their private differences" before describing the society he led as one thrown open "to the world" as "the school of Hellas." As leader, he commissioned Phidias to build various monuments, including one at the Temple of Zeus. This man gave a noted funeral oration before dying of plague during the Peloponnesian War. For 10 points, name this leader during the "Golden Age of Athens."
ANSWER: Pericles

7. This measure gave rise to the "Wheeler signs," which Loren and Jean Chapman criticized for demonstrating illusory correlation. This technique, which was modified by Wayne Holzman, was the subject of a book of common responses by Samuel Beck. The most common interpretation of the results of this test depends on the cognitive triad of information processing, cognitive mediation, and ideation. This widely used projective measure is scored using the (*) Exner system and depends on interpretation of ten plates containing bilaterally symmetrical images. For 10 points, a Swiss psychologist lends his name to what test that asks patients to interpret various inkblots?
ANSWER: Rorschach test/technique [accept Rorschach inkblot test before mentioned]

8. Measurements of this quantity are always subject to a Malmquist bias. This property is proportional to the fourth power of the velocity dispersal, and this quantity is calculated using the Faber-Jackson and Tully-Fisher relations for elliptical and spiral galaxies. This quantity is larger for objects with longer periods in systems like (*) Cepheid variables, which have constantly varying values for this quantity. This quantity is known for standard candles. For 10 points, name this quantity that is plotted against temperature in the Hertzsprung Russell diagram, which describes objects' brightness.
ANSWER: luminosity [accept magnitude until mentioned]

9. According to the Tale of the Two Brothers, this god produced a stream in order to protect Bata. This god was worshipped in the form of the all-black oracular Mnevis bull. His saliva was mixed with some dust and formed into a snake, which poisoned and immobilized him, allowing a goddess to interrogate him and learn his true name. The deifications of perception and command, Sia and Hu, were said to accompany this god during his time on the Mesektet and the (*) Mandjet. In another story, he mixed beer with ocher or hematite to pacify Sekhmet. During his travels through Duat, he fought the evil serpent Apep. He, or a god with whom he was syncretized, created Shu and Tefnut by masturbating, and he was worshipped at Heliopolis. For 10 points, identify this god with whom Atum and Amun were regularly syncretized, the Egyptian god of the sun.
ANSWER: Ra [or Re; accept Amun-Ra or Atum-Ra or Re-Horakhty; prompt on those other names on their own]

10. A poem addressed to this man suggests that one of his own works described men dressed “half like Romans and half like the Knave of Hearts”. This man, who is told to “hang it all” because “there can be but one *Sordello*” in Ezra Pound’s *Three Cantos*, opened his collection *Men and Women* with a poem that abruptly concludes “Love is best” called “Love (*) Among the Ruins”. One of this poet’s speakers describes how “tonight’s gay feast” could not “restrain / a sudden thought of one so pale” and relates that a certain woman “has not said a word!” after being strangled with her own hair. The subject of his most famous poem is accused of having “a heart too soon made glad” by a man who proudly describes Fra Pandolf’s painting of her. For 10 points, name this British poet of such dramatic monologues as “Porphyria’s Lover” and “My Last Duchess”.

ANSWER: Robert Browning

11. One person with this surname, Simone, was the original namesake of a commune now known as “Sun City” located in her country’s capital. A leader with this surname followed the edicts of PEPPADEP and eradicated his country’s pig population. Another man with this surname reportedly ordered all black dogs put to death after being told that the rebellious Clement Barbot had transformed into a dog. A later member of this family had an apology to his country rejected by President Rene (*) Preval and had earlier teased a political comeback after the ousting of Jean-Bertrand Aristide. This family formed a secret police called the *Tontons Macoutes* or “Bogeymen,” and one member claimed to be a loa. The most famous members, Francois and Jean-Claude, were nicknamed “Papa Doc” and “Baby Doc.” For 10 points, name this family that ruled Haiti from 1957 to 1986.

ANSWER: Duvalier [accept Ovide]

12. The final sections of this work rejects rule-bound religions like Catholicism in favor of a system that blends “religion of man” with a civil code. This philosophical work divides law into four realms: political, civil, criminal, and the extra-governmental moral. The second book of this work opens by distinguishing the “will of all” from the “general will”. It argues that governments should respond to the “particular will” but the sovereign should only act to ensure the (*) common good. This work asserts that while the state of nature gives men physical freedom, the greater, civil freedom can only be found by creating a society bound by the title agreement. For 10 points, name this work that claims “man is free, but is everywhere in chains”, a work of political philosophy by Rousseau.

ANSWER: The Social Contract [or *Of the Social Contract*, or *Principles of Political Right*; or Du Contrat Social ou *Principes du Droit Politique*]

13. This composer, who only wrote twelve works assigned opus numbers, did not write “The Faithful Shepherd,” his so-called “Opus 13,” which was actually written by Nicolas Chédville. The only one of this composer’s four oratorios to survive is his *Juditha Triumphans*. This teacher at the Ospedale della Pieta used unusual score markings like “the barking dog” and “the drunkards have fallen asleep” in one of his works and composed two sets of twelve violin concerti called *La (*) Stravaganza* and *L'estro Armonico*. Another collection of his works was written to accompany a group of sonnets; the second of those works contains a third movement depicting a thunderstorm. For 10 points, name this Italian composer whose *Contest Between Harmony and Invention* contains a quartet of violin sonatas called *The Four Seasons*.

ANSWER: Antonio Lucio Vivaldi

14. The field of this name is defined as the average dipole moment per unit volume of a dielectric material. A phenomenon given this name can be described by a system in which the multiplication of Jones vectors by Jones matrices represents the manipulation of this property by a linear optical element. This property is completely characterized by the (*) Stokes vector and can be altered by phase retarders. In one form of this property, the electromagnetic field only oscillates in one plane. This property comes in circular, elliptical and linear forms. For 10 points name this property of light that is exploited to reduce glare by some sunglasses.

ANSWER: polarization [accept word forms]

15. A Hungarian member of this artistic movement designed a famous ad campaign for Miss Blanche Virginia cigarettes. Another member of this movement designed the Villa Henny, which pioneered the use of reinforced concrete. A building designed in accordance with this movement's principles features an upper floor with no stationary walls. Vilmos Huszar and Robert van 't Hoff were members of this movement, which also produced a number of "lozenge" paintings and the (*) Schröder House. One member of this group created a series of "Counter-Compositions" and proposed the supremacy of diagonal lines, which led to the break-up of this group when the painter of *Broadway Boogie Woogie* left it. For 10 points, name this Dutch art movement which included Gerrit Rietveld and was co-founded by Theo van Doesburg and Piet Mondrian.

ANSWER: De Stijl [or The Style; accept neoplasticism until mentioned]

16. A poem about this event features a figure that wears a "kingly crown" and has a mark reading "I AM GOD, AND KING, AND LAW!" William Holman was criticized for contacting Thomas Trafford after determining the populace was "in the greatest possible danger." The name of this event was coined by James Wroe, whose newspaper, the *Observer*, was shut down soon after. Afterwards, Lord (*) Sidmouth introduced the Six Acts, including the Seizure of Arms Act. This event involved a speech by Henry Hunt asking for parliamentary reform and denouncing the Corn Laws. For 10 points, name this 1819 incident in which protesters at a Manchester field were attacked by the cavalry, which was given a name parodying a Napoleonic battle.

ANSWER: Peterloo massacre

17. In one scene, this character sings Harold Arlen's song "It's Only a Paper Moon". This character is reminded of witnessing a traumatic event at Moon Lake by a recurring polka tune called the "Varsouviana" polka. This character disdains Steve Hubbell, Pablo Gonzales, and their "ape" friend, and asserts that the "epic fornications" of her ancestors were responsible for the loss of Belle Reve. This character comes to believe that Shep Huntleigh will take her away. She recounts the discovery of a homosexual affair which led to her husband (*) Allan Grey's suicide while on a date with Harold "Mitch" Mitchell. At the end of the play in which she appears, she is raped by Stanley Kowalski. For 10 points, name this character who claims to have "always depended on the kindness of strangers", an aging Southern belle from *A Streetcar Named Desire*.

ANSWER: Blanche DuBois [prompt on DuBois or Grey]

18. The negative ratio of this quantity to the gas constant is equated to the derivative of the natural log of equilibrium constant over the derivative of the natural log of inverse temperature. During throttling processes, this quantity remains constant, and for isochoric processes, this quantity is simply equal to the change in internal (*) energy. The standard heat of formation is this quantity for the formation of 1 mol of a compound. This quantity for the conversion of a gas to an ionic solid is reported as the lattice energy, and this quantity has units of joules per kilogram. For 10 points, name this quantity which is equal to the product of pressure and volume of a system plus its internal energy, which is usually denoted H.

ANSWER: enthalpy

19. In 1970, Norman Rockwell painted a parody of this piece to be used as label art for United Vintners. A similar situation to that depicted in this painting, involving instead a parasol-carrying woman in a white dress, is the subject of its artist's *The Great War on Facades*. The lower right section of its subject's body is in shadow, partly because its subject's left arm seems to be bending backward at the elbow. A cloudy sky, placid blue water, and a (*) concrete-block wall make up the background of this painting. An easily-missed detail is its subject's left eye and brow, which are barely visible behind green leaves and below a bowler hat. For 10 points, identify this pseudo-self-portrait by Rene Magritte, in which the subject's face is almost entirely obscured by a green apple.

ANSWER: *The* Son of Man [or *Le* filis de l'homme]

20. The protagonist of one novel by this author falls in love with the Catholic priest Father Ignatius and drowns while attempting to escape from her bigamous ex-husband, the curiously Mephistophelean Philip Tempest. Nat Blake, Tommy Bangs, and "Demi" Brooke are among the students at the Plumfield school in another novel by this author. This author, who wrote about Rosamond Vivian in *A Long Fatal Love Chase* and about Civil War nurse Tribulation Periwinkle in *Hospital Sketches*, satirized her family's time in (*) Fruitlands in *Transcendental Wild Oats*. Her best-known novel opens with its protagonists giving their Christmas breakfast to the poor Hummel family and sees one character fall through thin ice, only to be rescued by her future husband Laurie. For 10 points, name this author who wrote about Beth, Meg, Jo, and Amy March in *Little Women*.

ANSWER: Louisa May Alcott

21. One author from this country wrote that, to the child, "we cannot answer 'tomorrow'" because "his name is today." Another poet from this country, who called a fish a "bullet from the ocean" "among the market greens" in his poem dedicated to a large tuna, penned the line "in you, everything sank," in the (*) twenty-first poem in one of his collections. One poet from this country was inspired by the suicide of her lover, Romelio Ureta, to write her *Sonnets of Death*. Another poet from this country wrote the *Elementary Odes* and "The Heights of Macchu Picchu," which is found in that poet's *Canto General*. For 10 points, name this home country of Gabriela Mistral and Pablo Neruda.

ANSWER: Republic of Chile [or República de Chile]

Bonuses

1. A radical generated from sodium or lithium in liquid nitrogen is used to convert benzene into a 1,4 cyclohexadiene in a reaction of this type. For 10 points each:

[10] Name these reactions in which the reactants gain electrons.

ANSWER: **reductions** [or **reduction reactions**]

[10] The Wolff-Kischner reaction can be used to reduce ketones all the way to alkenes using this compound, in which two NH₂ groups are bonded to each other.

ANSWER: **hydrazine**

[10] This strong oxidizing agent is the simplest compound to have an oxygen-oxygen single bond. Two molecules of this compound are converted to oxygen and water by catalase.

ANSWER: **hydrogen peroxide** [or **H₂O₂**]

2. This work opens in the odd key signature of 5/2 ["five-two"], and its final movement contains the even odder key signatures of 2/1 and 3/1. For 10 points each:

[10] Name this overture on "liturgical themes" by a member of the Mighty Five.

ANSWER: **Russian Easter Festival Overture** [or **Great Russian Easter Overture**; or **Svetliy prazdnik**]

[10] This member of the Mighty Five, who also composed *Scheherazade*, wrote the *Russian Easter Festival Overture*.

ANSWER: Nikolai Andreyevich **Rimsky-Korsakov**

[10] Rimsky-Korsakov wrote a "Capriccio" based on the folk music of this European country, whose own composers include Manuel de Falla.

ANSWER: Kingdom of **Spain** [or Reino de **España**; accept **Capriccio Espagnol**]

3. Identify the following about nonfiction written by African-American authors, for 10 points each.

[10] This author's nonfiction works include *White Man*, *Listen!*, *Pagan Spain*, and the memoir *Black Boy*. His most famous work is a novel about Bigger Thomas called *Native Son*.

ANSWER: Richard Nathaniel **Wright**

[10] This author attacked Wright's *Native Son* in the essay "Everybody's Protest Novel", from his collection *Notes of a Native Son*. His other essay collections include *The Price of a Ticket* and *The Fire Next Time*.

ANSWER: James Arthur **Baldwin**

[10] Written in Folsom State Prison and originally printed in *Ramparts* magazine, this Eldridge Cleaver collection is divided into the sections "Letters from Prison", "Blood of the Beast", "Prelude to Love", and "White Woman, Black Man".

ANSWER: **Soul on Ice**

4. Name the following about the geography of the *White Album*, for 10 points each.

[10] Many of the album's songs, including "Sexy Sadie," "I'm So Tired," and "The Continuing Story of Bungalow Bill," were written while the Beatles were staying in Rishikesh in this country, whose capital is New Delhi.

ANSWER: Republic of **India** [or **Bharat** Ganrajya]

[10] "Back in the USSR" mentions that the girls from this country "really knock me out." It contains the Black Sea port of Odessa.

ANSWER: **Ukraine** [or **Ukrayina**]

[10] A song in which "Gideon's Bible" repeatedly appears is set in this mountain range that includes Wind and Jewel Caves, as well as a national monument on a site known to the Lakota as the Six Grandfathers.

ANSWER: **Black Hills** [or **Paha Sapa**]

5. These people had an important position called “Gal Gestin,” or Chief of the Wine Stewards. For 10 points each:

[10] Name these people who were led by Muwatalli II at the Battle of Kadesh. Afterwards, these people signed the so-called first international peace treaty in history.

ANSWER: Hittites

[10] The Hittites fought the Egyptians at Kadesh under this Egyptian ruler. The second man to have his royal name, he was known as the “great.” A temple at Abu Simbel is dedicated to him and his queen Nefertari.

ANSWER: Ramesses II [or Ramses II, or Ozymandias, number not needed]

[10] This man, the first chair of Egyptology in the United Kingdom, discovered many key archaeological sites in Egypt. He discovered the so-called “Israel Stele” at Thebes and also believed that a Caucasian race had introduced Egyptian culture, since he, like a lot of English people at the time, was a big fat racist.

ANSWER: Flinders Petrie [or William Matthew Flinders Petrie]

6. The beta-glucuronidase system, or GUS, is an example of these systems, another of which is the chloramphenicol acetyltransferase system, which eliminates the toxicity of chloramphenicol. For 10 points each:

[10] Name these types of genes, like the GFP gene, which can be used to ensure that a cell has taken up another gene of interest.

ANSWER: reporter gene assay

[10] One commonly used reporter gene assay is based on the cleavage of X-gal resulting in blue colonies. The gene that cleaves X-gal is part of this operon, whose proteins cleaves a disaccharide found in milk.

ANSWER: lac operon

[10] Reporter genes, along with the genes of interest to be transformed into cells, are located on these structures, which are small circular strands of DNA..

ANSWER: plasmids

7. One lyric in this song has two characters singing “watch ‘em run amok, catch ‘em as they fall, never know your luck, when there’s a free for all.” For 10 points each

[10] Name this song which ends with mass overlapping as multiple characters sing lyrics, including the Thenardiers and Eponine. One character bemoans the life she might have known, while another vows to make schoolboys wet themselves with blood.

ANSWER: “One Day More”

[10] “One Day More” appears in this musical, based on a Victor Hugo novel about Jean Valjean.

ANSWER: Les Miserables [or Les Mis]

[10] Another long-running Broadway musical is this one, which ran for over 6,000 performances. Its songs include “I Hope I Get It” and “One,” and one character is the imperious director Zach.

ANSWER: A Chorus Line

8. This battle resulted in the death of the winning monarch’s brother, Tostig. For 10 points each:

[10] Name this battle in which Harald Hardrada’s invading force was defeated at a certain Yorkshire location. The winning monarch would himself be killed less than three weeks later.

ANSWER: Battle of Stamford Bridge

[10] Harald Hardrada had previously served in the army of Yaroslav the Wise, a Grand Prince of Novgorod and this other city, which was also ruled by Vladimir the Great.

ANSWER: Kiev

[10] The winner at Stamford Bridge, Harold Godwinson, soon lost the Battle of Hastings to this Norman, who became King of England after his 1066 victory.

ANSWER: William the Conqueror [or William I or William the Bastard]

9. Her latest novel, *Untold Story*, depicts Princess Diana faking her death and posing as an expat named “Lydia” in the small American town of Kensington. For 10 points each:

[10] Identify this Bangladeshi author of *Alentejo Blue*. Nazneen moves to Tower Hamlets in London to marry the older Chanu in her much-hyped debut novel, *Brick Lane*.

ANSWER: Monica **Ali**

[10] The “authenticity” of Ali’s *Brick Lane* was questioned by Germaine Greer, a feminist critic from this country. It is also home to *Schindler’s Ark* author Thomas Keneally, who wrote about an enraged half-Aborigine in *The Chant of Jimmie Blacksmith*.

ANSWER: Commonwealth of **Australia**

[10] The publishing house Alfred A. Knopf somewhat inexplicably touted this Australian’s novel *The True History of the Kelly Gang* as a “great American novel”. This guy also wrote *Bliss* and *Oscar and Lucinda*.

ANSWER: Peter Philip **Carey**

10. A common textbook about the “Concepts” of these programs is called the “dinosaur book.” For 10 points:

[10] Name these programs which allow applications to interact with hardware, examples of which include FreeBSD, Android, Linux, and Windows.

ANSWER: **operating systems**

[10] Operating systems can use context switches to allow multiple examples of these things to share the same CPU. This term refers to an instance of a program which is running and which can consist of multiple threads.

ANSWER: **processes**

[10] This situation can occur when two processes or threads are both waiting for a resource held by the other waiting action. Detection and avoidance of this situation is analogized in the dining philosophers problem.

ANSWER: **deadlock**

11. In one scene in this play, Schweitzer describes how he and a group of men set fire to a town in thirty-three places in order to free their imprisoned comrade Roller. For 10 points each:

[10] Identify this 1781 play in which Karl Moor becomes the leader of the title group after his brother Franz’s machinations lead to his being disinherited by his father Maximilian.

ANSWER: *The **Robbers*** [or *Die **Räuber***]

[10] *The Robbers*, like the epistolary treatise *On the Aesthetic Education of Man*, was written by this eighteenth-century German playwright of *William Tell* and the poem “Ode to Joy”.

ANSWER: Friedrich **Schiller** [or Johann Christoph Friedrich von **Schiller**]

[10] In Schiller’s *Wallenstein* Trilogy, plays titled for Wallenstein’s “Camp” and “Death” bookend this play, whose title characters are one of Wallenstein’s generals, who remains loyal to Emperor Ferdinand, and that man’s fictional son, who is in love with Wallenstein’s daughter Thekla.

ANSWER: *The **Piccolomini*** [or *Die **Piccolomini***]

12. A pair of visitors to this place sent the mosquito Xan ahead of them to bite its lords, to determine which ones were the real One Death and Seven Death and which ones were mannequins. For 10 points each:

[10] Identify this location which contains the Razor House, the Cold House, and the Bat House. Its lords were defeated by the Hero Twins, Hunahpu and Xbalanque in several ball games.

ANSWER: **Xibalba** [prompt on “the place of fear” or equivalents]

[10] Xibalba was the underworld of these Mesoamerican people. The myths of their K’iche’ subgroup, including the tales of the aforementioned Hero Twins, were collected in the *Popol Vuh*.

ANSWER: K’iche’ **Mayans**

[10] The Yucatec Mayans had slightly different ideas about death, incorporating into their mythos this “hanged goddess”, who escorted suicides to paradise.

ANSWER: **Ixtab** [prompt on “rope woman”]

13. This author's 1959 takedown of B.F. Skinner's *Verbal Behavior* spawned an academic controversy with Kenneth MacCorquodale. For 10 points each:

[10] Name this author of *Syntactic Structures* who taught linguistics at MIT.

ANSWER: Noam **Chomsky** [or Avram Noam **Chomsky**]

[10] Chomsky has argued that the ability to comprehend this linguistic concept, a set of structural rules for composing language, is innate and generative.

ANSWER: **grammar**

[10] With co-author Morris Halle, Chomsky wrote a 1968 phonological study of the "sound pattern" of this language. William Labov is a prominent scholar of the various dialects of this language.

ANSWER: American **English**

14. A dark-skinned man attempts to corral a gold-bedecked white horse in the lower left corner of this painting, which also features a number of nude women being stabbed and otherwise assaulted. For 10 points each:

[10] Identify this 1827 painting whose title Assyrian king lies on a golden divan decorated with elephants and apathetically watches the destruction of his possessions and slaves.

ANSWER: ***Death of Sardanapalus*** [or *La Mort de Sardanapale*]

[10] *The Massacre at Chios* was painted by this French Romantic, whose other works include *Greece Expiring on the Ruins of Missolonghi* and *Liberty Leading the People*.

ANSWER: Eugene **Delacroix** [or Ferdinand Victor Eugene **Delacroix**]

[10] A man milks a large mare in the foreground of this Delacroix painting, whose exiled title character lounges glumly against a hillock amidst a group of people on the left side.

ANSWER: ***Ovid Among the Scythians*** [or *Ovide chez les Scythes*]

15. This man had a "passion for Western music and scotch." For 10 points each:

[10] Name this man who was KGB Chairman during Prague Spring. As General Secretary, this man succeeded Leonid Brezhnev and continued the war in Afghanistan, but died fifteen months after taking office.

ANSWER: Yuri Vladimirovich **Andropov**

[10] One of the most notorious incidents during Andropov's tenure as General Secretary was when Soviet fighters downed a Korean Air Lines Flight with this number, killing 269 people, including Congressman Lawrence McDonald.

ANSWER: **007** [accept **7**]

[10] This man became General Secretary in 1985, promoted improved relations with the west, and was the last head of state of the Soviet Union. He has a funny birthmark on his head too.

ANSWER: Mikhail Sergeyevich **Gorbachev**

16. Answer the following about the J-Rock band FLOW, for 10 points each. No, wait, the physical process of flowing. Still 10 points each.

[10] Matter in this state can form a thin Rollin film which creeps along the surfaces of the container holding it. This phenomenon, in which a liquid has zero viscosity, was first observed in liquid helium cooled beyond the lambda point.

ANSWER: **superfluidity**

[10] In this kind of fluid, the viscous stress is related to the rate of deformation by a constant viscosity tensor. Examples include water and air.

ANSWER: **Newtonian** fluids

[10] Fluids with this property undergo a time-dependent lowering of viscosity the longer a shear stress is applied to them. This property is essentially the opposite of rheopexy.

ANSWER: **thixotropy** [or **thixotropic** fluids; accept word forms]

17. This novel is set in the far-off futuristic year of 1984, soon after the lottery-based election of the strictly unserious Auberon Quin as King of England. For 10 points each:

[10] Identify this 1904 novel whose title character, Adam Wayne, takes Quin's decrees regarding neighborhood pride so seriously that he raises an army to prevent the building of a highway.

ANSWER: *The Napoleon of Notting Hill*

[10] This British author, a noted Christian apologist who converted to Catholicism late in life, wrote *The Napoleon of Notting Hill* and the excellent novel *The Man Who Was Thursday*.

ANSWER: Gilbert Keith Chesterton

[10] This character, probably Chesterton's most popular creation, first appeared in the story "The Blue Cross". This Catholic priest is regularly assisted in his detective work by Hercule Flambeau.

ANSWER: Father Brown

18. As a territory, this state was the site of John Brown's bloody Pottawatomie Massacre. For 10 points each:

[10] Name this state, which as a territory was the site of violent confrontations between anti-slavery forces and "border ruffians" in support of slavery.

ANSWER: Kansas

[10] Bleeding Kansas began under the presidency of Franklin Pierce, who had won the presidency in 1852 by defeating this Whig candidate and former general known as "Old Fuss and Feathers."

ANSWER: Winfield Scott

[10] Pierce's Secretary of State was this New York politician, who had previously led the "soft" branch of the Hunkers in the Democratic Party. He might be better known for saying "to the victor belong the spoils" while defending Andrew Jackson's so-called "spoils system."

ANSWER: William Learned Marcy

19. This work includes the mezzo-soprano role of "Public Opinion." For 10 points each:

[10] Name this comic operetta that savages Gluck in its Act II, Scene 2 "Infernal Galop," in which the classical Greek gods dance the "Can-Can."

ANSWER: *Orpheus in the Underworld* [or *Orphée aux enfers*]

[10] This German-born French composer wrote *The Tales of Hoffman* and *Orpheus in the Underworld*.

ANSWER: Jacques Offenbach

[10] This French-Jewish author wrote the libretto for *Orpheus in the Underworld*, the highlight of his long and productive partnership with Offenbach. His uncle Fromental wrote the opera *The Jewess*.

ANSWER: Ludovic Halevy

20. One work by this English philosopher rejects Frege's distinction between "sense" and "reference". For 10 points each:

[10] Name this author of *The Problems of Philosophy* who asserted that definite descriptions did not necessarily refer to a specific thing in "On Denoting".

ANSWER: Bertrand Russell [or Bertrand Arthur William Russell, 3rd Earl Russell]

[10] Russell is best known for attempting to derive a universal set of axioms from which all mathematics could develop in this book he wrote with A. N. Whitehead.

ANSWER: *Principia Mathematica*

[10] "On Denoting" was first published in this highly influential British journal of analytic philosophy. From 1921 to 1947, G. E. Moore edited this journal, which also published Turing's first formulation of the Turing Test.

ANSWER: Mind

21. A series of novels set in this country follow the Abd al Jawad family over several generations. For 10 points each:

[10] Name this home country of Naguib Mahfouz, who wrote the Cairo Trilogy.

ANSWER: **Egypt**

[10] This Mahfouz novel, the first of the Cairo Trilogy, Amina breaks her collarbone when she gets hit by a car. Most of the novel describes Ahmad's ill-treatment of his family

ANSWER: **Palace Walk**

[10] Egypt is the setting of the *Alexandria Quartet*, which was written by author Lawrence from this family. Lawrence's younger brother Gerald wrote a bunch of kickass books about his adventures collecting animals for the Jersey Zoo,

ANSWER: **Durrell**