

The Brief Wondrous Tournament of WAO - *Málà Yousufzai, served extra spicy*

Editors: Will Alston, Joey Goldman, James Lasker, Jason Cheng, Naveed Chowdhury, and Jonathan Luck, with writing assistance from Athena Kern and Shan Kothari.

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TOSSUPS

1. **The substitution in this opera of Richardo Barroni for Rodolfo Lassparri occurs at the climax of the Marx Brothers film *A Night at the Opera*. Though one character in this opera serves the rebellious Prince of Urgel, another chooses not to arrest him, instead dueling him after encountering him serenading a woman whose backstory is told in the aria "Tacea la notte placida." The aria "Di geloso amor sprezzato" is sung during that duel in this opera over its primary soprano, who first fell in love with the title character when he was the victorious mystery (*) knight at a tournament. A prison scene in this opera's fourth act is accompanied by "Miserere." A song about the need to avenge a mother who was burned alive is sung in this opera; that song, "Stride le vampa," is sung by Azucena after a section in which Gypsies beat on certain objects with hammers. For 10 points, name this Giuseppe Verdi opera which features the "Anvil Chorus."**

ANSWER: *Il Trovatore* <Edited>

2. **A recording of phrases from one of this thinker's books featured interruptions by music, random sounds, and people speaking in falsetto. In his first book, this thinker defined his method of social criticism of using scattered essays and commentaries as a "mosaic approach" and likening his method to that of the sailor in Poe's "A Descent into the Maelstrom." A work by this thinker uses the example of how lightbulbs created nighttime spaces to illustrate a concept of creating an (*) environment by its mere presence. Another of this thinker's books divides human epochs into those of "manuscript culture," "oral tribe culture," "electronic age," and the title location. This thinker contrasted things that enhance one sense and are thus "high definition" to things that are "low definition" in order to illustrate a concept of "hot" versus "cold" media. For 10 points, name this author of *The Mechanical Bride* whose *Understanding Media* includes the phrase "the medium is the message."**

ANSWER: Marshall McLuhan <Edited>

3. **A character in this play is initially called a "bird of the woods," a description she rejects in favor of "bird of prey," a description based on that of the author's lover Emile Bardach. That character snatches a white shawl from Dr. Herdal and waves it at this play's protagonist at its climax, leading a crowd to also wave handkerchiefs and cheer him. This play's main character gained his fortune when a fire burned down his wife's family estate. A young woman in this play first seen in *The (*) Lady From The Sea* was promised a kingdom as a twelve year old girl by a man terrified of both heights and the talent of the "younger generation." Hilda Wangel demands a castle in the air for that kingdom from this play's title figure, leading to his death. For 10 points, name this Henrik Ibsen play that ends with Halvard Solness' fall from a church steeple, which he designed as the title architect.**

ANSWER: *The Master Builder*

4. Influence wielded by expansionists who led this polity's formation is analyzed in a 2016 book by Matthew Karp. A so-called "famine" in Lancashire industrial mills directly resulted from a declaration of war against this polity. The British tourist Arthur Fremantle spent three months in the company of soldiers of this polity studying military tactics. Egypt's Khedive Ismail borrowed millions of dollars to finance an industrial scheme after an imposed restriction on this polity's exports drove (*) commodity prices skyward. James Bulloch was employed by this polity to Britain to counteract a blockade. Lord Palmerston ordered that a ship built for this polity in Birkenhead be detained in order to not violate Britain's neutrality. Two diplomats from this polity were captured illegally aboard the *RMS Trent*. For 10 points, name this unrecognized state led by Jefferson Davis.

ANSWER: The Confederacy [or the Confederate States of America] <Edited>

5. The ratio of two types of these particles is equal to the ratio of the permittivity at low and high frequencies according to the Lyddane-Sachs-Teller relation. The ratio of events that do produce these particles to events that do not is the Lamb-Mössbauer factor. Vibrational transitions produce two bands, a narrow one named for not-producing these particles and a broad "sideband" which does produce them. The anharmonic scattering of two of these particles whose wave vectors point outside the first (*) Brillouin zone is called Umklapp scattering. The coupling of two electrons to form a Cooper Pair in BCS theory is caused by the exchange of one of these particles. The Debye model calculates specific heat by summing over these particles' modes. For 10 points, name these quasiparticles that represent crystal lattice vibrations.

ANSWER: phonons

6. A chronicle of upheaval in this country contains a chapter titled "Daguerrotypes" featuring vignettes and verbal portraits of witnesses compiled by Ryszard Kapuściński. A novel set in this country consists of the confessions of a pen-case painter to the shadow of a bird. A memoir set in this country portrays the experiences of a literature professor who calls a confidant "my magician" and runs a book club for seven young women. In a novel set here, a girl who rebels against her mom with cigarettes and heavy metal later smokes with Mom as a student in (*) Vienna. In that novel set in this home of the author of *The Blind Owl*, the narrator becomes a Marxist after reading books given to her by her political prisoner Uncle Anoosh. This country is the setting of a novel about "Reading Lolita" in its capital by Azar Nafisi. A young girl comes of age during this country's revolution in a graphic novel. For 10 points, name this home country of Marjane Satrapi.

ANSWER: Islamic Republic of Iran [accept Persia for historical reasons]

7. The chart on the cover of Edward Tufte's *Visual Display of Quantitative Information* depicts the movements of these objects. The doctrine of corporate personhood was established in a Supreme Court case concerning a company that operated these objects. An early film that ends with a gunshot fired directly at the audience is named for an event that takes place inside one of these objects. A twenty-four hour clock at the center of the earth was proposed after a timing incident involving one of these devices in Ireland and (*) Sandford Fleming, who engineered them for a living; his idea grew into standardized time zones, which were used due to these devices' great popularity. In the United States, these devices were historically staffed by African-American porters. For 10 points, name these vehicles operated by companies such as the Union Pacific and the Central Pacific.

ANSWER: trains [accept railroads or railways] <Edited>

8. A variety of this data structure is used to sort n items with only $n \log_2 n + O(n)$ [$n \log$ base 2 of n plus big O of n] comparisons and is called the “weak” variety. For epsilon between 0 and 1/2, one form of this structure guarantees that at most epsilon times n keys are corrupted. This allows constant amortized run time for delete operations and is its soft variety. This data structure shares its name with the block of (*) memory that the malloc C++ command dynamically allocates; that block is contrasted with the stack. They are often taught in conjunction with the priority queue since these data structures are used to implement them. A variant of this data structure that can be merged or change key values in amortized constant time is named for Fibonacci. For 10 points, name this variant of a tree in which a parent’s key is always greater than a child’s key.

ANSWER: heap [prompt on tree]

9. After 1720, the rulers of this state quixotically styled themselves kings of Jerusalem and Cyprus thanks to descent from James I. This state was established when its first ruler was forced to cede his most southern domains by the treaty ending the War of the Quadruple Alliance. Administrative divisions within this state were abolished in the so-called “perfect fusion.” A Prime Minister of this state promoted technological modernization and agrarian reform in a newspaper he founded whose name meant (*) “The Resurgence.” This kingdom was granted the Albertine Constitution by a king whose political ambitions were crushed by Joseph Radetzky at the battles of Novara and Custoza. It was ruled by Charles Albert and served by Camillo Benso, the Count of Cavour. For 10 points, name this kingdom which produced the first king of Italy, Victor Emmanuel II, which is named for a Mediterranean island.

ANSWER: Kingdom of Piedmont-Sardinia [or Sardinia-Piedmont; do not accept or prompt on “Italy”]
<Edited>

10. The right of a diptych by this artist shows three human arms hanging from hooks above a handkerchief modeled on a Picasso, while the left comprises black swirls taken from the *Isenheim Altarpiece*. A series by this artist of *Perilous Night* features the motifs of a self-portrait in silhouette and clock with a literal human hand. This artist who focussed on “things the mind already knows” layered numbers on top of each other in 0 through 9. This artist created two works by the same name, one showing a (*) Savarin can stuffed with paint brushes, the other in the form of two Ballantine Ale cans. This artist of *Painted Bronze* created a polychrome painting of the US in which the names of states and oceans are stenciled on called *Map*. For 10 points, identify this creator of many hot wax depictions of the American flag.

ANSWER: Jasper Johns <Edited>

11. In *The Catcher in the Rye*, Holden Caulfield wonders what a nun on a train would think of a woman from this novel, because the nun “wasn’t too sexy or anything.” The protagonist of this novel’s mother criticizes his betrothed as a “Corfu bandmaster’s daughter” saying his father was not in the Navy but “has been to sea in some tub.” A woman dies in this novel of a snakebite after mistakenly thinking that her son and his wife have barred her from their home. Rumours that a character in this novel is a witch are refuted when she drowns in (*) Shadwater Weir rather than abandon her husband for The Quiet Woman’s innkeeper. This novel’s protagonist leaves a job as a diamond merchant in Paris to become a teacher in his hometown, where he falls in love with Damon Wildeve’s former lover, Eustacia Vye. For 10 points, name this Thomas Hardy novel about Clym Yeobright’s homecoming to Egdon Heath.

ANSWER: *The Return of the Native*

12. **This politician boasted that his deep pockets funded by Brown & Root, saying, "I want it so that you can't wipe your ass on a piece of paper that hasn't got my picture on it." In a campaign in which this politician canvassed from town to town in a helicopter, this politician stopped the opening of "Box 13" with the legal aid of Abe Fortas. As a protégé of (*) Richard Russell, this politician gave the anti-civil rights "We of the South" speech but did not sign the Southern Manifesto. This man's 87-vote primary victory over Coke Stevenson in a 1948 U.S. Senate election earned him the ironic appellation "Landslide" - in the 1950s, he became Senate Majority Leader. For 10 points, name this U.S. President who implemented the "Great Society" programs.**

ANSWER: Lyndon Baines Johnson [prompt on Johnson; accept LBJ] <Edited>

13. **In some organisms, this substance is held by a mass of branched hairs called the scopa, while others have an extension of the tibia called the corbicula, which is also known as this substance's namesake "basket." Based on the length of the spines on this substance's outer wall, this substance can be described as echinate or spinulose. That outer wall of this substance is thinner in sections called apertures. This substance is divided into (*) anemophilous and entomophilous varieties, the former of which most commonly causes a reaction in humans because it is much lighter than the latter. This substance puts forth a namesake tube after being placed on the recipient's stigma. For 10 points, name this substance that triggers hay fever allergies which is made up of the male microgametophytes of seed plants in the form of a sticky powder.**

ANSWER: pollen [do not accept or prompt on "spore(s)"]

14. **A critic of this book argued that the theory of personal continuity it presents fails because it lacked the transitive property, as exemplified in the case of the "Brave Officer." Galen Strawson wrote a book on the theory of personal identity presented in this book, which is often called the Memory Theory. It's not by Hume, but Peter Nidditch edited the definitive edition of this work. This book describes the failure of Lord Herbert's *De Veritate* to exhaustively list all (*) ideas of a certain kind. The first volume of this book refutes the argument from "Universal Consent" while attempting to establish that there are no innate ideas. This work distinguishes secondary qualities, which must be related to perceivers, from primary qualities, which objects have inherently. For 10 points, name this work of John Locke that asserts the mind is a *tabula rasa*.**

ANSWER: *An Essay Concerning Human Understanding* [accept Locke's Essay]

15. **This deity was associated with a flute with a bell shaped like a flower blossom. In one ritual, a figure dedicated to this deity would break a flute on every step of a temple. Both this deity's father, the Duality, as well as this figure were known by the epithet "Tloque Nahuaque" [TLOH-kay na-HAH-kay] or "Lord of the Near and the Nigh." Each year, a figure who spent a year with eight attendants and four wives while living as this deity's embodiment was (*) sacrificed and eaten during the month of Toxcatl. The god who was known as "Our Lord the Flayed One," Xipe Totec, was considered the "Red" version of this deity. His chief rival, also known as his "White" version, burned himself alive after being tricked by this god into sleeping with his celibate priestess sister. For 10 points, name this rival of Quetzalcoatl known as the "Smoking Mirror."**

ANSWER: Tezcatlipoca <Edited>

16. During the 2008 financial crisis, this country saw the rise of an anti-microfinance movement nicknamed the "non-payment movement." Inspired by Cuba, this country enlisted Citizens' Literacy Promoters and the Popular Literacy Army in a 1980 program that reduced illiteracy from 50.3% to 12.9%. Relief money for 1972 earthquake that destroyed 90% of this nation's capital were stolen by its ruling family, prompting a U.S. baseball star to fly here for relief efforts, but he died in a plane crash on December 31. This country's *La Prensa* paper was led by (*) Pedro Chamorro, whose wife Violeta would lead this country after an assassination carried out by the son of the head of this country's National Guard. Since the U.S. Marine Corps ousted President Adolfo Diaz, this country has been led by several members of the Somoza family. For 10 points, name this country currently led by Daniel Ortega, a former leader of the Sandinistas.

ANSWER: Republic of Nicaragua <Edited>

17. The critic T.O. Mabbott notes that this poem is "onomatopoeic," resembling "the ebb and flow of the sea" and argues that a central figure in this poem has no real-world counterpart. This poem's speaker claims that neither "angels" nor "demons" can "dissever [h]is soul," "For the moon never beams, without bringing me dreams." This poem's eleven original manuscripts, including two referred to as "Griswold" and "Sertain's," differ by preceding its last word with either the phrase "the side of the" or the phrase "the sounding." This poet's narrator says that "I was a child and she was a child...But we (*) loved with a love that was more than love." This poem is referenced with a line about what "the misinformed, simple, noble-winged seraphs envied" in a passage from a novel that mentions a "certain initial girl-child" who drove his later interest in the child Lolita. For 10 points, name this Edgar Allan Poe poem about a girl "shut...up in a sepulcher / In [a] kingdom by the sea."

ANSWER: "Annabel Lee"

18. The title figure of a piece by this composer only begins to sing after 20 minutes on stage, and is accompanied by a female counterpart who sings lower notes than he does. A piano concerto by this composer contains a part for Native American flute and contains movements titled *The Vision, The Land, and Sacagewea*. The phrase "Open are the double doors of the horizon; unlocked are its bolts" opens a composition by this man that includes an off-stage chorus singing (*) Psalm 104. Wood-blocks and glockenspiels are included in this composer's Mesoamerican-inspired Symphony No. 7, known as the Toltec. This composer included musical settings of the *Hymn to the Sun* and the *Book of the Dead* in an opera titled for a pharaoh. For 10 points, name this composer who included *Akhenaten* and *Satyagraha* as two parts of his "Portrait Trilogy."

ANSWER: Philip Glass

19. Voltaire reported an apocryphal story about this city that states that a group in this city determined the canonical Bible by placing all of the competing works on an altar, and then seeing which of them fell off. Debates over the calculation of the fourteenth of Nisan led to the decision in this city for the Church to make an independent calculation of the date of Easter. A council held at this city that denounced iconoclasm was the last council fully recognized by both the (*) Eastern Orthodox and Catholic Churches. A formulaic text later standardized at Constantinople was the most notable product of an earlier council in this city, which declared the Father equal to the Son; the *filioque* clause was later added to that statement formulated in this city. For 10 points, name this city in modern-day Turkey where an ecumenical church council produced a famous namesake creed.

ANSWER: Nicaea [accept İznik] <Edited>

20. A 0.5% concentration of this element's metallic form is used to make lead-antimony shot more spherical and to harden it. An ore of this element, iron, and sulfur may have been smelted with malachite to form an alloy that replaced tin with this element; that alloy is this element's namesake bronze. A strip of paper soaked in mercuric chloride turns yellow when exposed to vapor from a zinc and hydrochloric acid mixture in the Gutzeit test. This element adsorbs to iron oxide coated sands in aqueous solution. This nonmetal forms a III-V (*) semiconductor that is the second most common semiconductor after doped silicon. A non-silver "mirror" forms after the trioxide of this element reacts with zinc and sulfuric acid in the Marsh test. For 10 points, name this element which forms a semiconductor with gallium, which is best known for its toxicity and garlicky smell.

ANSWER: arsenic

TIEBREAKER/EXTRA TOSSUPS

1. One of these devices is usually required in audio applications when connecting a valve amplifier to a loudspeaker. A type of insulating oil which remains stable at high temperatures is named for them because they are most commonly used to cool them. For an idealized one of these devices, the apparent load impedance is equal to a^2 times their primary load impedance, and they can be used for(*) impedance matching. They aren't inductors, but Faraday's law is used to derive that relationship between impedance and a , which is the ratio between the number of windings in their primary and secondary coils. These devices feature two coils wrapped around a core through which a varying magnetic flux passes, allowing the voltage in the secondary coil to be controlled by the voltage in the first coil. For 10 points, name these devices that are used to change voltage levels in power grids, and which are found in electrical substations.

ANSWER: transformers

2. This leader was opposed by a presidential candidate nicknamed the "General Without Fear" who famously responded to a question about what he'd do with this leader by saying "Obviously, I'll sack him!" That man, Humberto Delgado, was assassinated by agents of this ruler, who limited Catholic Church influence with his Concordat of 1940. This man first entered government as Minister of Finance in the National Dictatorship of Oscar (*) Carmona. The secret police force PIDE was employed by this leader, who advocated pluricontinentalism, the idea that his nation spanned multiple continents, as well as lusotropicalism, the idea that his nation was a particularly benevolent colonizer; those ideas led this ruler's regime to fight against the decolonization of Guinea-Bissau, Mozambique, and Angola until the Carnation Revolution. For 10 points, name this leader of the Estado Novo regime who was dictator of Portugal from 1932 to 1968.

ANSWER: António de Oliveira Salazar

BONUSES

1. In this novel's first chapter, the protagonist runs into his uncle Senator Jakob while trying to help the title figure. For 10 points each:

[10] Name this novel whose first chapter was published as the short story "The Stoker." Karl Rossmann, gives himself the name "Negro" after getting a job with Oklahoma's Natural Theater Company in this novel.

ANSWER: Amerika

[10] *Amerika* is the incomplete first novel of this author who described the Explorer's experiences in his short story "In the Penal Colony."

ANSWER: Franz Kafka

[10] When Karl Rossmann enters New York, he sees the Statue of Liberty holding one of these objects. Kafka wrote a small parable in which the narrator wakes up from a dream and discovers one of these objects has been plunged into his back.

ANSWER: sword

2. This work describes how someone who sees a chess game is only interested in the current arrangement of pieces in a metaphor to argue for the study of a language's current rules. For 10 points each:

[10] Name this work which contrasts a system's abstract rules with the instances of those rules using the terms "langue" and parole."

ANSWER: Course in General Linguistics

[10] The *Course in General Linguistics* was created from notes on the lectures of this Swiss thinker who was one of the founders of linguistics.

ANSWER: Ferdinand Mongin de Saussure

[10] In the *Course in General Linguistics*, Saussure argues that this concept for a sign is defined by a language's other signs. He illustrates this by showing how this concept is different for the English word "sheep" and the French word "mouton," because the later means both "sheep" and "mutton."

ANSWER: value <Edited>

3. A 32 minute film documenting this work's creation includes videos of dinosaurs in a museum as well as ripped pages from a history book. For 10 points each:

[10] Name this Robert Smithson work whose location in Utah was chosen because of the red color of nearby water. Smithson frequently described its association with "entropy."

ANSWER: Spiral Jetty

[10] Though primarily a land artist, Smithson associated with many artists who worked in this style, like Robert Morris and Donald Judd. The musical form of this pared-down style is exemplified by John Cage and Steve Reich.

ANSWER: Minimalism

[10] This land and light artist bought a volcanic cone in Arizona called *Roden Crater*, which he has been in the process of turning into a naked-eye observatory ever since. His other projects include a series of "skyspaces", which are otherwise closed spaced with a hole in the roof to enable clear sight of the sky above.

ANSWER: James Turrell <Edited>

4. This element can cause problems in nuclear fuel processing by catalyzing the destruction of hydrazine, which is used as a productive reductant for plutonium. For 10 points each:

[10] Name this lightest synthetic element whose existence at atomic number 43 was predicted by Dmitry Mendeleev.

ANSWER: **technetium**

[10] A team that may have first discovered technetium in 1925 found X-rays that corresponded to atomic number 43 according to this law, which states that an element's X-ray emissions frequency is proportional to square of its atomic number.

ANSWER: **Moseley's Law**

[10] Technetium is observed in some AGB stars. The best explanation for that observation is this mechanism which produces isotopes in the island of Beta-stability.

ANSWER: **s-process** nucleosynthesis

5. This area was traditionally described as being divided into twelve regions, which included Decelea and Eleusis. For 10 points each:

[10] Name this region of Greece dominated by Athens. It was divided from Boeotia to the northwest by the Cithaeron Mountains and from the Peloponnese to the southwest by the Isthmus of Corinth.

ANSWER: **Attica**

[10] Attica came under Athenian domination under Cleisthenes, who is considered the father of this political system in Athens. Athens is the first known city to use this political system based on popular voting.

ANSWER: **democracy** [or **demokratia**]

[10] The fortification of Decelea during the Peloponnesian War crippled Athens by cutting off access to the silver mines at this location, the source of funds for the Athenian government.

ANSWER: **Laurium** [or **Laurion**] <Edited>

6. A 2015 *Nature* paper gave evidence for possible hydrothermal activity under this moon's surface. For 10 points each:

[10] Name this moon home to four long depressions nicknamed "tiger stripes" that may also be evidence of internal heating. Another source of heat on this moon may be tidal heating caused by its 2:1 orbital resonance with Dione.

ANSWER: **Enceladus**

[10] Enceladus is best known for exhibiting this phenomenon, first viewed by the Cassini probe in 2005. They cause geysers of liquids and ices to erupt from its surface.

ANSWER: **Cryovolcanism** [prompt on partial answer]

[10] Enceladus is a moon of this planet whose largest moon, Titan, is the only one in the solar system home to a thick atmosphere.

ANSWER: **Saturn**

7. For 10 points each, name these novels about dysfunctional families:

[10] This classic novel notes that "Happy families are all alike; every unhappy family is unhappy in its own way." Its title character commits suicide by throwing herself in front of a train.

ANSWER: Anna Karenina

[10] This novel centers around a wealthy family which declines to the point where its mansion is ransacked by the imperial troops, mainly because of its inability to produce competent sons. In this novel, the tears of the reincarnated Crimson Pearl Fairy for her lover are said to be shed "during the whole of a mortal lifetime."

ANSWER: Dream of the Red Chamber [or The Story of the Stone, or Hóng Lóu Mèng]

[10] This 2013 novel chronicles how the brothers Subhash and Udayan are torn apart by love for the woman Gauri, who abandons her child Bela in order to move to California and write a dissertation on the Naxalites.

ANSWER: The Lowland (by Jhumpa Lahiri)

8. This economist names a "turning point" at which surplus rural labor runs out. For 10 points each:

[10] Name this St. Lucian winner of the Nobel Prize in Economics, who developed the Dual Sector model of development.

ANSWER: Sir William Arthur Lewis

[10] The Dual Sector model divides the economy into the capitalist sector and this sector, which shares its name with a type of agriculture that produces little or no surplus.

ANSWER: subsistence agriculture/economy/sector

[10] The Lewis Turning Point is often mentioned in discussions of this nation's development. This nation uses the *hukou* internal passport system to limit migration from the agricultural sector to the cities, and its rural workers traditionally got to dodge its One Child Policy.

ANSWER: People's Republic of China <Edited>

9. The Soviet cult of Vladimir Lenin compared him to this folk hero because of their supposed shared love of the peasantry. For 10 points each:

[10] Name this rebel leader who founded a Cossack republic as part of a 1670 rebellion in which he led thousands of followers up the Volga towards Moscow.

ANSWER: Stenka Razin [or Stepan Timofeyevich Razin]

[10] Stenka Razin's republic was centered on Astrakhan, a city on this body of water nicknamed "Russia's window to the east." The city of Baku on this body became a valuable possession after oil was discovered there in 1872.

ANSWER: Caspian Sea

[10] Stenka Razin's rebellion was partly prompted by the harshening for peasant conditions under the *Sobornoye Ulozhenie* code passed during this calendar year, which replaced Ivan IV's *Sudebnik* code.

ANSWER: 1649 <Edited>

10. This being is often depicted riding an elephant with extra tusks. For 10 points each:

[10] Name this being who sent his daughters in an attempt to seduce the Buddha, a representation of the spiritual forces opposed to enlightenment.

ANSWER: Mara [or Tiānmó]

[10] After rejecting the temptations and attacks of Mara, the Buddha reached this state of enlightenment in which one has been liberated from the cycle of rebirth, or *samsara*.

ANSWER: nirvana

[10] Tales of Mara are contained within the Pali canon, which also contains many of these stories detailing the early life of the Buddha.

ANSWER: jataka stories/tales [prompt on birth stories] <Edited>

11. 38 natives from this tribe were executed in the largest mass execution in US history after an 1862 conflict against this people which ended with their expulsion from Minnesota. For 10 points each:
[10] Name this eastern branch of the Sioux whose two cultures, the Santee and the Yankton, form two of the three major Sioux groupings.

ANSWER: Dakota

[10] Those executions occurred after this US president commuted the death sentences of 264 Dakota. This president passed the first Homestead Act, encouraging settlement of the West.

ANSWER: Abraham Lincoln

[10] This later Dakota reformer worked with the Coolidge administration to conduct the research which became the *Meriam Report*. In an instance of Dartmouth actually living up to its founding purpose to educate natives, he graduated from Dartmouth in 1887 and went on help found the Boy Scouts of America

ANSWER: Charles Eastman <Edited>

12. Answer some questions about otters in literature, for 10 points each:

[10] This author described rescuing the otter Mjibil from Iraq and raising it in Scotland in the autobiographical *Ring of Bright Water*. This author's relationship with Kathleen Raine disintegrated after she caused the death of Mjibil.

ANSWER: Gavin Maxwell

[10] This poet describes otters as "Four-legged yet water gifted, to outfish fish" in his poem "An Otter". This former Poet Laureate of the UK explored his relationship with Sylvia Plath in the collection *Birthday Letters*.

ANSWER: Ted Hughes

[10] The chapter "The Piper at the Gates of Dawn" tells of Mole and Rat helping Otter to find his son Portly in the novel *The Wind in the Willows*, which is by this author.

ANSWER: Kenneth Grahame

13. One of these offerings was made at the beginning of every symposium. For 10 points each:

[10] Name these offerings poured in honor of the gods in Ancient Greece, which title the second play of the *Oresteia*. Though often consisting of wine, these could also be made of honey, water, or milk.

ANSWER: libations [accept *The Libation Bearers*]

[10] The first libation could be poured for the "agathos" example of these spirits that inhabited a vineyard. In some respects these were the Greek analogue of the Roman *genius*, as Hellenistic ruler-cults would venerate the instance of these spirits, much as the Roman imperial cult venerated the emperor's *genius*.

ANSWER: daimons [or daemons]

[10] Instead of being directly venerating kings as gods, Hellenistic ruler-cults often made offerings to the king under Greek title, which translates as "savior." It was given to the first ruler of the Ptolemaic dynasty.

ANSWER: Soter <Edited>

14. This work criticizes the idea of a “thing” as “formed matter” because it is based on the concept of equipment. For 10 points each:

[10] Name this work which adduces C.F. Meyer’s “The Roman Fountain” in the course of discussing the “copy-relation” conception of a certain concept. This essay uses a Vincent Van Gogh painting of a pair of shoes to illustrate the difference between the title objects and other “things.”

ANSWER: *The Origin of the Work of Art*

[10] *The Origin of the Work of Art* was written by this German philosopher who used a hammer to illustrate the idea of “ready to hand” in a work about the concept of “Dasein” titled *Being and Time*.

ANSWER: Martin Heidegger

[10] In *Continental Divide*, Peter E. Gordon analysed the impact of Heidegger’s debate about how to properly read Kant with this philosopher at the 1929 Davos *Hochschule*.

ANSWER: Ernst Cassirer

15. Answer the following about brittle bones. For 10 points each.

[10] In this condition, which can be caused by normal aging, menopause or vitamin D deficiency, the body’s bones become brittle and porous.

ANSWER: osteoporosis

[10] An adenoma in the endocrine gland that produces this hormone can cause brittle bones. That is because this hormone triggers osteoclast activity, causing bone tissue to be broken down.

ANSWER: parathyroid hormone

[10] This disease, caused by mutations in the genes for collagen I or collagen II, can cause severe bone brittleness. Type II of this disease is characterized by poor quality and quantity of collagen and is usually fatal shortly after birth.

ANSWER: osteogenesis imperfecta [accept OI]

16. A classic in this genre follows the unprepared narrator’s experiences with his morbidly out-of-shape friend Stephen Katz. For 10 points each:

[10] Identify this genre of Bill Bryson’s *A Walk in the Woods*. Other classics in this genre include Paul Theroux’s *The Great Railway Bazaar* and Rebecca West’s *Black Lamb and Grey Falcon*.

ANSWER: travel literature [accept travelogues or travel writing or anything referring to books about the authors traveling]

[10] This author wrote about his travels “in search of America” with his poodle in *Travels with Charley*. This author’s novels include *East of Eden* and *The Grapes of Wrath*.

ANSWER: John Steinbeck

[10] This travelogue of forgotten towns in America by William Least Heat-Moon notes that unused, neglected thoroughfares are the title color in his Rand McNally atlas and ranks roadside cafes by the number of calendars on the walls.

ANSWER: Blue Highways

17. This artist's *Le Chapeau de Paille* inspired a self-portrait by Vigée Le Brun. For 10 points each:

[10] Identify this artist who was commissioned by Elector Maximilian I of Bavaria to paint four hunting scenes, which includes the wild *Crocodile and Hippopotamus Hunt*.

ANSWER: Peter Paul **Rubens**

[10] Rubens is perhaps best known for a cycle of paintings about this French Queen. Hermes flies down from above to offer this woman a caduceus in *Education of the Princess*, which immediately precedes *The Presentation of Her Portrait to Henry IV* in the series.

ANSWER: **Marie de' Medici** [prompt on partial answer]

[10] After the death of his first wife, Rubens married this woman, the niece of his first wife. She modeled for Rubens' version of *The Origin of the Milky Way* and Louvre holds the last portrait of her, which shows her in front of a carriage.

ANSWER: Helena **Fourment** <Edited>

18. In honor of the sad closure of D.C. Museum of Punishments, answer the following about methods of torture and execution worldwide. For 10 points each:

[10] This dynasty's Kaihuang code codified punishments for criminals, including slow slicing, which later became the practice of death by a thousand cuts. It invaded Champa to begin China's third domination of Vietnam, though it was less successful against Goguryeo.

ANSWER: **Sui** dynasty

[10] The Persian torture technique of scaphism placed victims inside two of these objects, covered them in milk and honey, and then exposed to them insects. They're not rocks, but disobedient pirate crews would be scraped up against these objects in the practice of "keelhauling."

ANSWER: **boats** [or **ships**]

[10] CONADEP reported that Pinochet's regime reserved a delightful method of torture for Jewish dissidents in which one of these animals would be inserted into the victim's anus. A Freud patient identified as Ernst Lanzer obsessed that his family would be tortured by being eaten by these animals.

ANSWER: **rats** [accept **Rat** Man; do not accept or prompt on "mouse" or "mice"] <Edited>

19. Answer the following about heating techniques from organic chemistry labs, for 10 points each.

[10] One of the first things you are taught in orgo lab courses is to never use these devices for heat since these gas-powered burners produce an open flame. They are named for a German chemist.

ANSWER: **Bunsen** burner

[10] Alternatives to Bunsen burners include hot plates and this general class of electric-powered ceramic heating devices, a widely-used brand of this is named for the hole in its top where the flask is heated.

ANSWER: heating **mantle** [or **thermowell**]

[10] If you can tolerate a single temperature you can use a thermal bath such as the one with this substance, which is also used to extract trimyristin from nutmeg in a common orgo lab distillation experiment.

ANSWER: **steam** [prompt on water]

20. Name these composers of clarinet concerti, for 10 points each.

[10] The two movements of this composer's Clarinet Concerto are played back to back, connected by a clarinet cadenza; the same concerto is sometimes called the *Concerto for Clarinet, Strings, and Harp*.

ANSWER: Aaron **Copland**

[10] This composer's Clarinet Concerto is in one long movement, with four distinct groups of themes. This composer's Symphony No. 2 features depictions of the Four Temperaments.

ANSWER: Carl **Nielsen**

[10] This early Romantic composer wrote two clarinet concerti, some of the earliest to be popular besides Mozart's. This composer's piano pieces include one orchestrated by Berlioz, *Invitation to the Dance*.

ANSWER: Carl Maria von **Weber**

EXTRA BONUSES

1. A 2011 ruling by this country's Supreme Court struck down efforts to create a national securities regulator using federal legislation. For 10 points each:

[10] Name this only advanced economy to lack such a regulator. Instead, it has the Cooperative Capital Markets Regulatory System, a voluntary organization which several of its 10 provinces and 3 territories refuse to join.

ANSWER: Canada

[10] Before its 1999 merger, the stock exchange in this Canadian city earned the nickname "the longest-standing joke in North America, including the Cubs" for its notoriously fraudulent listings. In 1983, this exchange's namesake index had to be doubled in value to compensate for two years of rounding errors.

ANSWER: Vancouver [or the Vancouver Stock Exchange]

[10] The largest Canadian investment scandal ever revolved around Bre-X, a miner of this precious metal. Many Vancouver Stock Exchange companies also mined this metal that was the subject of a "rush" in the Yukon.

ANSWER: gold