

# Michigan Winter Tournament

"The Holy Roman Empire of Tournaments"

Edited by: Harris Bunker, Emmett Laurie, Evan Lynch, Matt Mitchell, Eric Mukherjee, Jacob O'Rourke, Rudra Ranganathan, Conor Thompson, Jeremy Tsai, and Chandler West

Written by: The editors, Mollie Bakal, Austin Foos, Beverly Fu, Colton Graham, James Hadley, Sean Higgins, Tyler McMaken, Ameya Phadnis, Aleija Rodriguez, James Stevenson, and Allan VanZandt

## Packet 13

Tossups:

1. **The narrator of one of this author's stories ponders a word he compares to "gnomon in the Euclid" or "simony in the Catechism" upon hearing of another character's death. Father Purdon's sermon comparing sins to verifying accounts ends that story by this author, in which Mr. Kernan is taken to a retreat upon tripping down the stairs drunk. The death of a character created by this author who frequents, the vaguely-named store Drapery, causes the narrator to contemplate the word (\*) "paralysis." The Morkan sisters invite Bartell D'Arcy to perform at the central event of another story by this author. In that story by this author, the song "The Lass of Aughrim" was sung by Michael Furey when courting the wife of Gabriel Conroy. For 10 points, name this author, who included "Grace," "The Sisters," and "The Dead" in *Dubliners*.**  
ANSWER: James Joyce <Laurie, British Literature>

2. **One essay cited movie criticism as the greatest popularizer of this concept, and claims there is no character development in *Il Trovatore*. Andrew Bolton showed works of Jeremy Scott and Thierry Mulger in one exhibition for this concept, with sections dedicated to Ernest Boulton and Oscar Wilde. Christopher Isherwood divided this style into "high" and "low" versions, while another thinker divided this concept into naïve and deliberate types. Billy Porter's Egypt-inspired golden outfit and Lady (\*) Gaga's fuschia dress-change routine were designed for an event centered around this concept. This aesthetic, characterized as "spirit of extravagance" in a 1964 essay, served as the theme for the 2019 Met Gala. For 10 points, what "good because it's awful" style is the subject of some "Notes" on it by Susan Sontag?**  
ANSWER: campiness [or word forms; accept *Notes on "Camp"*; accept Camp: *Notes on Fashion*; prompt on fashion] <Tsai, Other Academic>

3. **In his *Harmonie universelle*, Marin Mersenne wrote about "transcribing the riches and beauties" of this instrument onto the grand staff. In 1652, the death of a player of this instrument named Blancrocher led to the composition of two *tombeaux* for this instrument by Denis Gaultier and François Dufaut. A technique for playing this instrument consisted of playing a line of notes on alternating courses, a type of irregular arpeggiation known as *style brisé*. Hundreds of songs for this instrument were written by English composer (\*) John Dowland. It's not cello or harpsichord, but a suite for this instrument written by J. S. Bach contains an oft-performed Bourrée in E minor. For 10 points, name this plucked string instrument that typically has a short neck and a rounded back, popular during the Renaissance era.**  
ANSWER: lute <McMaken, Classical Music>

4. **For a building he commissioned, this Emperor relocated a column with three serpent heads commemorating the Greek victory at Plataea. Zosimus blamed one of this Emperor's acts on a "certain Egyptian" who convinced him it would rid him of the guilt he felt from killing his son Crispus. This Emperor killed his wife by trapping her in an overheated bath. After a vision, this Emperor used the Chi-Rho sign known as the labarum as his military insignia. This Emperor ordered the creation of (\*) fifty bibles under the direction of Eusebius of Caesarea, who was also his biographer. This Emperor saw a cross in the sky accompanied by the words "in this sign, you will conquer" before defeating a rival at the Battle of Milvian Bridge. For 10 points, name this Emperor, who converted to Christianity on his deathbed.**  
ANSWER: Constantine the Great [or Constantine I; prompt on "Constantine"] <Laurie, European History>

5. **It's not advertising, but the sociological method of this process is partially based on the research of Lazarsfeld who argued that this process was an individual act though affected by the personality of the individual. Copeland's method uses pairwise comparisons to settle this process which satisfies a criterion where a person central to this process is the same regardless of system. That criterion is named for (\*) Condorcet, who also names a paradox where cyclic preferences mean there is no winner of this process. Points are assigned based on a list of options in a system for this process named after Borda. The instant runoff version of this process is used in Australia where this process is mandatory. For 10 points, name this process typically done on election day.**

ANSWER: **voting** [accept **elections** until "Borda" and prompt thereafter until mention; accept word forms like instant runoff **voting**; anti-prompt on "**Borda counts**" by asking "Borda counts are used in what process?" before mention] <Bunker, Political Science>

6. **One pathway for this process is initiated by the UDG enzyme. The XPC-Rad23B complex binds to distortions to initiate another pathway for this process. One pathway that is part of this process recognizes and binds the Ku heterodimer. That pathway does not require a template and can act throughout the cell cycle. Mutations in another pathway responsible for this process cause HNPCC; that pathway contains the proteins MutL, MutS, and MutH. In addition to the (\*) NHEJ and MMR pathways, in the excision form of this process, a bond is broken by glycosylase to remove deamination and oxidation products. When this process is not functioning properly, premature or accelerated aging can result. For 10 points, name this process in which the damage done to a certain nucleic acid is undone.**

ANSWER: **DNA repair** <Bunker, Biology>

7. **At the end of a novel from this country, a character who befriends the swindler group The Children of Lieutenant Schmidt proclaims that "I shall refrain as a souper." Inspired by E. T. A. Hoffman, politically neutral authors in this country named themselves the Serapion Brothers. Two satirical authors from this country created Ostap Bender. A woman pours boiling water on her sister's feet in a play from this country, triggering a brawl which kills their landlord. The (\*) Actor decides to go to a sanatorium before killing himself in that play from this country. "Typical" and "Partisan" are among the four pillars of a style sponsored by this country which ensured art would be relevant to the proletariat. For 10 points, name this now-defunct country where *The Lower Depths* author Maxim Gorky promoted Socialist Realism.**

ANSWER: **Union of Soviet Socialist Republics** [accept **Soviet Union** or Soviet **Russia**] <Laurie, European Literature>

8. **One ruler of this kingdom named Ekaladerhan was given the title after an oracle proclaimed that the next king would emerge from the forest. This kingdom got into a conflict with a European power after it signed the Gallwey Treaty, where British soldiers invaded during the Igue ["ee-gay"] festival and men led by James Robert Phillips were mostly killed. A modern day country named for this Kingdom contained the slave-trading Kingdom of Whydah. This Kingdom produced many mostly brass namesake (\*) "Bronzes." An all-female group of namesake "Amazons" fought for a Kingdom located in a country named for this Kingdom. For 10 points, name this Kingdom, which names a modern-day country whose capital is Porto-Novo.**

ANSWER: **Benin** [accept Kingdom of **Benin**] <Bunker, World History>

9. **This city contains an iconic pink neon car wash sign shaped like an elephant. Five sculptures of flowers with solar panels sit outside a Minoru Yamasaki-designed building complex in this city, which features several tall white arches. Fluorescent yellow escalators lead one into the Living Room of another building in this city. That building in this city utilizes a "Books Spiral" to display its nonfiction collection. A building in this city was designed based on the shape of a (\*) guitar and contains a live music venue which pays homage to Jimi Hendrix. This city contains a Rem Koolhaas-designed library and Frank Gehry's Experience Music Project. Many buildings in this city were built for the 1962 World's Fair. For 10 points, name this city which contains the Space Needle.**

ANSWER: **Seattle**, Washington <West, Other Visual>

10. **A critique of this text by C.S. Peirce ["purse"] argued that the author of this book hated men of science and concludes that because of this book's author, all modern philosophy had been nominalist. One concept first mentioned in this text is said to be the endpoint of human cognitive constructions where real philosophical ideas can be proven. A term sometimes translated as (\*) "sublate" or "suspend" is used by the author of this text to explain the idea of how Being and Nothing interact through the Becoming. The author of this text, which introduces the idea of "Absolute Knowing," associates human culture with the "world of self-alienated spirit." For 10 points, identify this philosophical work which introduces the notion of the lord-bondsman dialectic: the magnum opus of G.W.F. Hegel.**

ANSWER: *The **Phenomenology of Spirit*** [or ***Phänomenologie des Geistes***] <Bunker, Philosophy>

11. In one experiment, Lene Hau used a form of this phenomenon to slow down light pulses and thus generate quantum shock waves. Resulting from the decay of supercurrent, geometric patterns known as boojums have been observed in a material undergoing this phenomenon. The van der Waals force acts as the restoring force for waves in films exhibiting this phenomenon, termed the (\*) "third sound." A certain pure substance can seep through molecule-sized cracks and, in the Onnes effect, climb up walls due to this phenomenon. This phenomenon, whose study was pioneered by Lev Landau, occurs below the lambda point for liquid helium. For 10 points, name this phenomenon where a substance has zero viscosity.

ANSWER: **superfluidity** <Bunker, Physics>

-- This packet contains 22 tossups. Halftime is after tossup 11. --

12. In the Homeric *Pythian Hymn to Apollo*, this deity slaps the ground to become pregnant with a child as strong as Zeus. Before it was adapted by Ovid, the poet Nicander wrote about this deity turning Galinthias into a weasel. On the orders of this deity, Eileithyia clasped her hands and crossed her legs while (\*) Alcmene was in labor. In the Iliad, Hypnos hides from Zeus in the palace of Nyx after he puts Zeus to sleep at the request of this deity. Ixion fathered the first centaurs with Nephele, a cloud nymph in the form of this deity. When Io was turned into a cow, this deity sent a gadfly to sting her as she wandered the earth. For 10 points, name this queen of the gods and wife of Zeus in Greek mythology.

ANSWER: **Hera** <Ranganathan, Mythology>

13. George Will was among the people accused of stealing secret papers prior to one of these events; that scandal was unearthed by Laurence Barrett in *Gambling with History*. Howard K. Smith and Frank McGee were among the journalists involved in the first of these events sponsored by an industry's "Big Three." The Taiwanese islands Quemoy and Matsu were the subject of the third in an inaugural series of these events. St. Anselm College has been a recurring site for these events, which were hosted in the 1970s and 80s by the (\*) League of Women Voters. A refusal to wear pancake makeup is often cited to explain one person's flop in the first televised one of these events. For 10 points, name these events, which include the first televised one featuring John F. Kennedy and Richard Nixon.

ANSWER: U. S. **Presidential debates** [accept more specific answers like **debates** between Ronald **Reagan** and Jimmy **Carter** or John F. **Kennedy** and Richard **Nixon** before mention; prompt on **debates** with "between who?"] <Laurie, American History>

14. This poet writes that once a lover had forgotten the "bright bedclothes" they "lay loose-limbed" in she would "believe / You have forgotten me well." This poet notes "neither the earth not heaven even trembled" in a poem on the integration of the US Army. In another poem, this poet writes "You will never wind up the sucking-thumb / or scuttle off the ghosts that come." That poem by this author ends with the title figure crying (\*) "Believe me, I loved you all" and begins by stating that "Abortions will not let you forget." A poem by this woman concerns a group of seven pool players at the Golden Shovel, who "lurk late," "strike straight," "Jazz June" and "Die soon." For 10 points, name this African-American author of "We Real Cool."

ANSWER: Gwendolyn **Brooks** <Rodriguez, American Literature>

15. Bizarrely, this man performed "Happy Birthday" for the 90th birthday of Strom Thurmond. Before joining Parliament-Funkadelic, Bootsy Collins and Maceo Parker gained fame as musicians under this man. Clyde Stubblefield performed a widely-sampled drum break on this man's jam session "Funky Drummer." This man started his career alongside Bobby Byrd as part of the Famous Flames. This man's first Grammy was for (\*) "Papa's Got a Brand New Bag." "I'll Go Crazy" and "Please, Please, Please" were included on this man's 1963 album *Live at the Apollo*. This man yells "Whoa!" before "I feel nice, like sugar and spice" on the song "I Got You (I Feel Good)." For 10 points, who is this "Godfather of Soul" that recorded "Get Up (I Feel Like Being a) Sex Machine"?

ANSWER: James **Brown** [or James Joseph **Brown** Jr.] <Tsai, Other Auditory>

16. This molecule reacts with chromyl chloride, and subsequently undergoes a 2,3-rearrangement, in the canonical example of the Etard reaction. In proton NMR, hydrogens attached to this molecule are shown in one peak between 2 ppm and 3 ppm and in a multiplet between 7 ppm and 8 ppm. A sulfonyl chloride functional group attaches to this molecule in the para position to generate a reagent that converts alcohols into its namesake sulfonate esters; that molecule is commonly known as (\*) tosyl chloride. This monosubstituted aromatic molecule is often used as a solvent for paint, paint thinners, and adhesives. For 10 points, name this organic molecule, a monosubstituted benzene derivative also known as methylbenzene.

ANSWER: **toluene** [accept **methylbenzene** until read, accept **toluol**] <Phadnis, Chemistry>

17. One of these structures which doubles as a giant aquarium was installed by Turkish businessman Mehmet Ali Gökçeoğlu ["goek-cheh-oh-loo"] at his villa in Çeşme ["chesh-may"]. Christo and Jeanne-Claude created a "Running" one of these structures in the Bay Area which was comprised of nylon sheets, and was totally disassembled after 14 days. A novel partially titled for one of these structures describes indigenous (\*) Australian girls following it to return to their ancestral home. That one of these structures was built in Western Australia in order to curtail the movement of rabbits. For 10 points, identify these structures which are often used to separate plots of land.

ANSWER: **fences** [prompt on walls, I guess?] <Thompson, Geography>

18. In a letter about this painting's creation, its artist claimed that "they'll tell me I'm just copying the Italians now, rather than the Spanish." An unfinished painting with this title includes a portrait of Gustave Courbet next to a woman in a dress outlined in blue. This painting was called its artist's realization of "the dream of all painters" by Émile Zola. James Tissot's painting *The Foursome* was likely inspired by this painting. This painting itself was inspired by the bottom right corner of the engraving *Judgement of Paris*. This painting depicts the artist's (\*) brother-in-law, Ferdinand Leenhoff, as well as a spilled basket of fruit on top of a pile of clothes. For 10 points, name this painting of two clothed men sitting next to a nude woman by Édouard Manet.

ANSWER: *The Luncheon on the Grass* [or *Le Déjeuner sur l'herbe*; or *The Bath*; or *Le Bain*; or *The Picnic*] <West, Painting>

19. In a novel set in this country, an alcoholic meteorologist commits suicide by driving his car in front of an oncoming train. A character in a novel from this country is celebrated as a hero after jumping into a trench and attempting to stop a soldier from beating a pregnant woman. In that novel set in this country, a man that led a hunger strike at Rira Camp is celebrated by General R and other members of "The (\*) Movement." While his village celebrates Uhuru day, this country's independence day celebration, Mugo admits that he betrayed the resistance leader Kihika. For 10 points, name this country where *A Grain of Wheat* is set, which was written by native son Ngugi wa Thiong'o.

ANSWER: **Kenya** [or Republic of **Kenya**; or Jamhuri Ya **Kenya**] <O'Rourke, World/Other Literature>

20. Clement of Alexandria linked the parts of one kind of these objects to the classical planets. It is forbidden to derive practical benefit from these objects, as a demonstration that their purpose is for a mitzvah. One part of these objects is called a *shamash* and must not be collinear with certain other parts of them. Depictions of these objects with hexagonal bases originate from a depiction in the Arch of (\*) Titus. Large, public examples of these items are sometimes displayed outside of Chabad houses. During the Maccabean revolt, a miraculous jar of oil is said to have allowed one of these objects to shine for eight days. The Talmud forbids usage of seven-branched ones of these objects outside of the Temple. For 10 points, what branched candelabras are lit each day during Hanukkah?

ANSWER: **menorah** [or **chanukiah**] <Tsai, Religion>

21. In a book on this city, Patricia Crone argued against traditional accounts of it as a trade hub. French GIGN commandos backed up one country's forces during a siege of this city perpetrated by followers of the Salafist Abd al-Aziz ibn Baz. Abraha's attempted entrance to this city failed when his lead elephant refused to move, ending an Aksumite invasion of it. Leaders of this city claimed to be descendants of Banu Hashim and were also known as the (\*) hejaz. Forces loyal to this city lost to a religious group in the Battle of Badr after which they signed the Treaty of Hudaibiyyah, allowing the Quraysh pilgrimage to this city. Muhammad went to Medina during the *Hijra*, a flight from, for 10 points, what city, the holiest in Islam?

ANSWER: **Mecca** <Bunker, Other History>

22. By arguing against Kitcher and others, Hasok Chang tried to demonstrate how a "philosophical failure" related to this substance actually did not use the supposed empirical evidence others suggested. One scientist who was an early proponent of the existence of this substance related it to terra pinguis in his book *Physica subterranea*. Johann Becher formulated a theory about this substance, which some scientists thought had negative (\*) mass. The belief in this substance fell out of favor after it was discovered metals gained weight after being oxidized and the solution to the so-called "mass paradox" was discovered. For 10 points, identify this proposed massless substance released during combustion which was popularly supported until Lavoisier formulation of an oxygen-based theory of combustion.

ANSWER: **phlogiston** [accept word forms like **phlogisticated** oxygen or **phlogiston** theory] <Bunker, Other Science>

## Bonuses:

1. Two of these animals are on the left and right sides of a barren red and orange painting and have extremely long legs. For 10 points each:

[10] Name this animal. A painting titled for a mechanical one of these animals depicts a headless nude wearing a surgical glove in its bottom right corner.

ANSWER: **elephants** [or *The **Elephant Celebes***]

[10] *The Elephant Celebes* was painted by this German Surrealist. This inventor of frottage also painted *Two Children Are Threatened by a Nightingale*.

ANSWER: Max **Ernst**

[10] This other Surrealist depicted elephants in his painting *Swans Reflecting Elephants*. This artist also depicted an ant-covered clock in *The Persistence of Memory*.

ANSWER: Salvador **Dalí** [or Salvador Domingo Felipe Jacinto **Dalí** i Domènech, 1st Marquis of Dalí de Púbol] <Rodriguez, Painting>

2. The Driftless Area, a hilly region which escaped glaciation during the most recent ice age, is located primarily in this state's southwest. For 10 points each:

[10] Identify this Midwestern state which also shares its name with the most recent glacial period in North America.

ANSWER: **Wisconsin**

[10] Outside of the Driftless Area, and thus buried entirely beneath a flat layer of glacial till, is a 24-mile wide example of one of these landforms centered on Manson, Iowa. It was suspected to have been created by the event that caused the K-T extinction until it was discovered to be 9 million years too old.

ANSWER: **impact crater** [accept **asteroid crater**, or **meteor crater**, or any other equivalent answer, prompt on just **crater** by asking "created by what kind of event?"]

[10] This is the name of the actual crater created by the asteroid which caused the extinction of the non-avian dinosaurs. It is located off the coast of the Yucatán Peninsula.

ANSWER: **Chicxulub** ["cheek-shoo-loob"] crater <Higgins, Geography>

3. These entities can be characterized by their emittance, which corresponds to the spread of their constituent particles in phase space. For 10 points each:

[10] Identify these entities which can be strongly focused with quadrupole magnetic fields.

ANSWER: particle **beams** [accept accelerator **beams** and specific types like electron **beams** and ion **beams**]

[10] Either a particle beam or a laser can be used to drive the namesake phenomenon in this type of particle accelerator, which uses an ionized medium to produce high acceleration gradients.

ANSWER: plasma **wakefield** accelerators [accept laser **wakefield** accelerators; prompt on **PWEA** or **LWEA**]

[10] Injection with a neutral particle beam is often used for this purpose in fusion plasmas. Joule names a type of this phenomenon in resistors, for which the power is current squared times resistance.

ANSWER: **heating** <Mitchell, Physics>

4. The Beipu uprising, an early uprising against this colonial power, was joined by many members of the Saisiyat tribe. For 10 points each:

[10] Name this colonial power, which fought the Truku War with local aboriginals. Mona Rudao was a leader of the Seediq people that fought against this colonial power in the Musha Incident.

ANSWER: Empire of **Japan** [or Dai **Nippon** Teikoku]

[10] The aforementioned anti-Japanese uprisings were among the many colonial struggles on this island. Liao Tianding was one of many Han Chinese folk heroes that fought against the Japanese, prior to the Kuomintang retreating to this island.

ANSWER: **Taiwan** [or **Formosa**]

[10] Kuomintang forces were largely distrusting of locals after Japanese occupation, which is why a dispute over a cigarette vendor led to this 1947 massacre. After this massacre, the resulting "white terror" of martial law lasted over Taiwan until 1987.

ANSWER: **228** incident [or **February 28** incident; or **Èrèrbā** Shìjiàn] <Tsai, World History>

5. This character has a brief affair with the penny-romance novelist Nora Nesbitt during an interlude in his destructive relationship with the waitress Mildred Rogers, who prostitutes herself to feed her baby. For 10 points each:

[10] Name this character, who unintentionally causes the talentless Fanny Price to commit suicide. This man befriends Thorpe Athelny while working at a hospital and marries Sally Athelny after he mistakenly believes he has gotten her pregnant.

ANSWER: **Philip Carey** [accept either underlined part]

[10] This British author wrote about Philip Carey's destructive relationship with Mildred Rogers in his novel *Of Human Bondage*.

ANSWER: W. Somerset **Maugham** ["Mawm"] [or William Somerset **Maugham**]

[10] Dirk Stroeve, a Maugham character, is unable to destroy a nude painting of his wife that was made by this other Maugham character. An important painting by this character, as described in a Christie's auction catalog, is *The Woman of Samaria*.

ANSWER: **Charles Strickland** [accept either underlined part; he is from *The Moon and Sixpence*] <Rodriguez, British Literature>

6. Navarette et al. tried to measure this faculty by creating a virtual reality where experiment participants would have to choose to pull a lever or not as part of the trolley problem. For 10 points each:

[10] Lawrence Kohlberg created a hierarchy of development for reasoning about what things?

ANSWER: **morals** [accept word forms like **moral reasoning** or **moral development**; prompt on **ethical reasoning** or similarly imprecise answers]

[10] This contemporary psychologist tried to classify the different forms of reasoning used to make moral decisions as part of his moral foundations theory. In his and Lukianoff's book *The Coddling of the American Mind*, he argues universities exacerbate the mental health issues of young Americans.

ANSWER: Jonathan **Haidt**

[10] Proponents of this other theory of moral reasoning argue that both automatic emotional and conscious-controlled systems control morality. Joshua Greene helped develop this theory which he claims was inspired by the trolley problem.

ANSWER: **dual process** theory <Bunker, Psychology/Sociology>

7. Herman Melville was awfully proud of his "doubly revolutionary descent." Name some things about it, for 10 points each:

[10] On his father's side, Melville descended from Thomas Melvill, a member of this colonial group who perpetrated the Boston Tea Party.

ANSWER: **Sons of Liberty** ("Melvill" is not a typo; the "e" at the end was added later on by Herman Melville's mother)

[10] On his mother's side, Melville descended from Peter Gansevoort, who led the American defense of this location. The Battle of Oriskany preceded the unsuccessful British siege on this location, which caused Barry St. Leger to be unable to reinforce General Burgoyne at Saratoga.

ANSWER: **Fort Stanwix** [accept Siege of **Fort Stanwix**]

[10] In Melville's *Israel Potter*, Potter tries to rescue this man from prison. This man led an operation that allowed for Henry Knox's noble train of artillery while he was leading a group who eventually replaced him with Seth Warner.

ANSWER: Ethan **Allen** <Laurie, American History>

8. After escaping from the villain of this play's citadel, the peasant girl Laurencia leads a revolt against Commander Gomez, resulting in his banners being replaced with those of Ferdinand and Isabella. For 10 points each:

[10] Name this play, where 300 people are tortured by the order of a judge. Despite the torture, all 300 of those people proclaim that "[this play's title location] did it."

ANSWER: **Fuente Ovejuna** [or *The Sheep Well*]

[10] *Fuente Ovejuna* is the most popular out of the thousands of plays by this playwright. This Spanish Golden Age playwright also wrote *The Dog in the Manger*.

ANSWER: **Lope** de Vega [or **Lope** Felix de Vega y Carpio]

[10] Golden Age playwright Tirso de Molina wrote *The Trickster of Seville and the Stone Guest*, which is a dramatization of this character's legend. This womanizer is killed by the statue-inhabiting ghost of Don Gonzalo.

ANSWER: Don **Juan** <O'Rourke, European Literature>

9. Answer the following about memory management in C++ ["C-plus-plus"], for 10 points each:

[10] In C++, these objects are defined or dereferenced with an asterisk before their name. These variables are useful for memory allocation as they store the address of another variable.

ANSWER: **pointers** [accept word forms such as null pointer]

[10] Dynamic memory is allocated to this region of memory using the "malloc" function in C and the "new" keyword in C++.

ANSWER: **heap**

[10] In C++, destructors of this type can be declared in the functions of a user-created class and use polymorphism to delete dynamically allocated objects by their base class pointer.

ANSWER: **virtual** destructors <Bunker, Computer Science>

10. This poker player coaches Maria Kunnikova, a New Yorker writer who, while researching a book on poker, became good enough that she put the book on hold to become a professional player. For 10 points each:

[10] Name this poker player, who lost the 1988 World Series of Poker Main Event after Johnny Chan baited him into going all in after Chan had flopped a straight. That hand featuring this player is a favorite of Mike McDermott in the cult classic *Rounders*.

ANSWER: Erik **Seidel**

[10] The World Series of Poker Main Event is a \$10,000 buy-in tournament of Texas Hold 'Em, a variant of poker in which each player is given this many hold cards.

ANSWER: **two**

[10] Seidel is a multiple time winner of World Series of Poker events featuring this variant of poker named for a Midwestern city, in which the player is given four hold cards and must make the best hand featuring exactly two hold cards and three community cards.

ANSWER: **Omaha** [accept variants like Pot-Limit **Omaha** or **Omaha** 8 or Better; accept **PLO**] <Laurie, Other Academic>

11. The song "It's Now or Never" by Elvis Presley was based on this song, though Elvis requested that the lyrics be rewritten especially for him. For 10 points each:

[10] Name this song that starts with the line that translates to "What a beautiful thing is a sunny day!" and in its refrain, says "My own sun shines from your face."

ANSWER: "**O sole mio**"

[10] "O sole mio," along with "Funiculì, Funiculà" and "Torna a Surriento," are songs written in the language of this Italian city. The Festival of Piedigrotta, held in this city, established songs from this city as a formal institution.

ANSWER: **Naples** [or **Napoli**; accept **Neapolitan**]

[10] This opera singer won the 1980 Grammy Award for Best Classical Vocal Performance for his rendition of "O sole mio." This opera singer joins Plácido Domingo and José Carreras as one of the Three Tenors.

ANSWER: Luciano **Pavarotti** <Phadnis, Other Auditory>

12. For 10 points each, answer the following about a taxonomically confusing but still important group of organisms: the slime molds.

[10] Slime molds are typically placed in this taxonomic group which consists of protists who have the ability to change their shape often with pseudopods.

ANSWER: **Amoebozoa** [or just **Amoeba**]

[10] Mycetozoa slime molds are able to undergo this form of reproduction in which a sperm combines with an egg during fertilization.

ANSWER: **sexual** reproduction

[10] Another member of the amoebozoa is this freshwater amoeba, which causes primary amoebic meningoencephalitis when it crawls into the human brain through the nose.

ANSWER: **Naegleria fowleri** [or **N. fowleri**; prompt on "Naegleria"] <Bunker, Biology>

13. In Russian, masculine nouns decline differently in the accusative case based on this quality. For 10 points each:

[10] Identify this quality, which is one of the most common bases for noun classifier systems across the world's languages. Ojibwe, for example, divides nouns by this quality rather than by gender.

ANSWER: **animacy** [or word forms like **animate**, accept descriptive answers like **being alive**, do not accept "being human"]

[10] Some languages, like Burushaski, divide nouns into two classes based on whether one can do this to them. "Mass nouns" can't have this done to them without the use of measure words, and many Amazonian languages lack the vocabulary to do this extensively, instead using the word for "many."

ANSWER: **count** them [accept any answers indicating describing the **number** of objects]

[10] A more esoteric noun class system is found in the Dyirbal language indigenous to Australia, whose *balan* gender category contains women, fire, and things with this property, a categorization that also titles a book by George Lakoff.

ANSWER: **dangerous** things [accept **violent** or synonyms; accept **Women, Fire and Dangerous Things!**] <Thompson, Linguistics>

14. After alleged threats that she would be shot with a crossbow, the wife of a King of this country appeared in public waving an apple in a William Tell-inspired joke. For 10 points each:

[10] Name this country, whose "Royal Question" saw Baudouin ascend to the throne after his father's surrender to the Nazis proved too controversial. Its first King, a member of the House of Saxe-Coburg and Gotha, accepted the throne after declining Greece's throne.

ANSWER: Kingdom of **Belgium**

[10] Baudouin oversaw the independence of this country and former Belgian colony, which was renamed Zaire temporarily while ruled by Mobutu Sese Soko.

ANSWER: **DRC** [or **Democratic Republic of the Congo**; accept **Belgian Congo**; prompt on "the Congo"; do not accept "Republic of the Congo"]

[10] Baudouin shocked many by using the Royal Assent, long considered a formality, to veto a law pertaining to this practice. This practice's legality was advocated for by the Manifesto of the 343 in France, where it was liberalized by a law named for Simone Veil.

ANSWER: **abortion** <Laurie, European History>

15. The city of Kitezh suffered this fate after its inhabitants prayed for protection from Batu Khan's invasion. For 10 points each:

[10] Describe this fate, which resulted in the destruction of Atlantis due to the iniquity of its citizens.

ANSWER: **sinking** [accept specific answers, accept anything describing the cities being **flooded** or **covered by the ocean** obvious equivalents.]

[10] King Gradlom was the only survivor of the sinking of this legendary Breton city after either St. Gwénoél or St. Corentin warned him of the impending destruction of this city.

ANSWER: **Ys** ["ees"] [accept **Kêr-is** or Ville d'**Ys**]

[10] Ys has been compared to the Kingdom of Lyonesse, which is said to have sunken off the coast of Cornwall. Lyonesse is home of this Arthurian knight who was sent to bring a princess back from Ireland to marry King Mark but instead falls in love with her due to a love potion.

ANSWER: Sir **Tristan** [accept **Tristram** or **Tristain**] <Hadley, Mythology>

16. Franz Liszt said that Brahms wrote better variations on a theme on this piece, though Liszt had written his first. For 10 points each:

[10] Name this piece that is the subject of variations from both Brahms and Liszt. This is the final piece in a collection of difficult solo violin pieces composed by an Italian violin virtuoso.

ANSWER: **Caprice** No. **24** in A minor by Niccolò **Paganini** [prompt on partial answer]

[10] This composer's *Rhapsody on a Theme of Paganini* includes an 18th variation that is an inversion of the main melody. This Russian composer, known for his massive hands, also wrote a Prelude in C-sharp minor and *Isle of the Dead*.

ANSWER: Sergei **Rachmaninoff**

[10] This German composer's piano etudes based on the Paganini caprices predate those of Brahms and Liszt. He also promoted a young Brahms in an essay titled "New Paths" in a journal he co-founded, the *Neue Zeitschrift*.

ANSWER: Robert **Schumann** <Phadnis, Classical Music>

17. This author, who helped popularize Leo Tolstoy in the US, was inspired by Tolstoy's writing to pen the epistolary utopian novel *Through the Eye of the Needle*, the final novel in his Altrurian trilogy. For 10 points each:

[10] Name this author and promoter of realism. Conrad Dryfoos dies trying to save Lindau from being beaten by the police in one of his novels which follows the creation of the periodical *Every Other Week*.

ANSWER: William Dean **Howells**

[10] Howells often praised this author, who is often considered exemplary of literary realism. He wrote the novels *The Americans* and *Portrait of a Lady* and the novella *The Turn of the Screw*.

ANSWER: Henry **James**

[10] Howells also helped popularize Charles Chesnutt, whose first story collection *The Conjure Woman* is narrated by a man named Julius that takes this title. This is the familial title of a character who narrates southern folk stories in a series of Joel Chandler Harris works often considered racist.

ANSWER: **Uncle** [or **Uncle** Julius or **Uncle** Remus] <Laurie, American Literature>



18. Christian Wolff is typically seen as a student of this philosopher, as seen in their shared use of the principle of sufficient reason and their view of metaphysics as an *a priori* science. For 10 points each:

[10] Name this German scientist and philosopher, who wrote about the problem of evil in his *Théodicée*. He is perhaps better known for independently developing calculus from Newton.

ANSWER: Gottfried von **Leibniz**

[10] Leibniz used this term for simple substances in a work in which he claimed that mass is derived from these things, which "have unity and absolute reality."

ANSWER: **monad** [accept *The Monadology*]

[10] In this rebuttal of empiricist epistemology, Leibniz defends the existence of innate ideas and expresses his idea of "petites perceptions," which each express the entire universe.

ANSWER: *New Essays on Human Understanding* <Bunker, Philosophy>

19. Sailing north of a place he called Thule, this explorer described a "sea-lung" in which all things were suspended, a possible reference to "pancake ice" he would have encountered in the Arctic circle. For 10 points each:

[10] Name this Greek Explorer, who recounted his circumnavigation of the British Isles in *On the Ocean*.

ANSWER: **Pytheas** of Massalia

[10] Much of what we know about Pytheas is passed down through this man's *Natural History*. He died trying to rescue people from the eruption of Mount Vesuvius.

ANSWER: **Pliny the Elder** [prompt on **Pliny**; do NOT accept of prompt on "Pliny the Younger"]

[10] Pytheas was also referenced in a now-lost treatise by Erastrathos of Cyrene, the chief librarian at this city's famed library. Its lighthouse is one of the Seven Wonders of the World.

ANSWER: **Alexandria** <Foos, Other History>

20. AIBN, by eliminating a molecule of nitrogen gas, can be used as an initiator for the free radical type of this reaction. For 10 points each:

[10] Polyethylene can be formed through this type of reaction. This type of reaction occurs when monomers bond together to form larger macromolecules.

ANSWER: **polymerization**

[10] Free radical polymerization requires this type of chemical bond dissociation of a molecule in which the two electrons in the original bond are distributed between the two free radicals.

ANSWER: **homolysis** [accept **homolytic fission** or **homolytic cleavage**]

[10] This type of polymerization leads to polymer chains with a very low dispersity and occurs when the ability of a growing polymer chain to terminate has been removed.

ANSWER: **living** polymerization <Phadnis, Chemistry>

21. This poet asked his lover to "give me a thousand kisses," since "night is one long everlasting sleep," in a poem that begins with the line "let us live...let us love." For 10 points each:

[10] Name this Roman poet, who dedicated many poems to his lover Lesbia. His 101<sup>st</sup> poem ends with the line "hail and farewell."

ANSWER: **Catullus** [or Gaius Valerius **Catullus**]

[10] Catullus's 101<sup>st</sup> poem is addressed to a person with this relationship to him. A fragment of Sappho's surviving poetry concerns Charaxos and Larichos, who had this relationship to Sappho.

ANSWER: his **brother** [prompt on his **sibling**]

[10] This Catullus poem is about his hate for the critics Aurelius and Furius, men whom he hates so much that he threatens to "sodomize and face-fuck" them.

ANSWER: Carmen **Sixteen** [or Catullus **16**] <O'Rourke, World/Other Literature>

22. The Akali-Nihang sect were known for their use of the "bunga" type of these items, as a place to store weapons. For 10 points each:

[10] Identify these items which are used to contain one's kesh. Styles of them include the nok pagh, gol parna, keski, and patka.

ANSWER: **dastars** [or **Sikh turbans**; prompt on **turbans** by asking "worn by members of what religion?"]

[10] Many female members of this religion also cover their heads, a practice which Reza Aslan argues began in imitation of its founder's wives, using garments like the *hijab*.

ANSWER: **Islam** [or **Muslims**]

[10] These small leather boxes containing scrolls are worn on the head and arms of some Jewish worshippers during prayer to fulfill the commandment to have "*totafot* between your eyes."

ANSWER: **tefillin** <Thompson, Religion>