

**Sun 'n Fun IX:** The Medusa Laughs Again, Or Avoiding the Curse of the Ninth...we hope  
Packets by Ahmad Ragab et. al

## Round 2

### Tossups:

1. [AR]One text in this author's "Elemental Series" strategically engages Derrida and the titular philosopher in *Marine Lover of Friedrich Nietzsche*. In another work, she discusses the possibility of yoga and other Eastern meditative techniques to reveal insight into the question of sexual difference in *Between East and West*. A student of Jacques Lacan, this dual-PhD holder in Philosophy and Linguistics broke with him in her work, *Speculum of the Other Woman*. Arguing that the history of philosophy, psychology, and structural linguistics have subsumed the female subjective position into a discussion of matter in nature, for 10 points, name this French deconstructionist author of *The Sex Which is Not One* who is often associated with Helene Cixous and Julia Kristeva.

ANSWER: Luce **Irigaray**

2. [JR] While digging for mystic treasure on St. Andrew's Eve, the main character's friends find a metal sign with the words "United States Geodetic Survey, 1915, Elevation 600 Feet". Things bartered for wine in this story include someone's blanket and someone's pants, paper roses, the plunder of a downed Coast Guard ship, a vacuum cleaner with no motor, and a house. The local purveyor of wine, Mr. Torelli, often comes up short on the trades or sees the bartered items stolen back. A party featuring more than 30 gallons of wine and a keg of potato whiskey leads to the death of Danny, whose house burns down soon afterward. For 10 points, name this tale of oenophile Monterey paisanos, penned by John Steinbeck.

ANSWER: ***Tortilla Flat***

3. [AR] Violent gravitational interactions among members are prevalent, as evidenced by NGC 4438's long tidal tail of debris produced by ram-pressure stripping. Its mean distance from the Earth is approximately 16 megaparsecs and has a mass-to-light ratio of 500 solar units. The first exhaustive analysis of this region was carried out by the Du Pont Telescope survey in the 1980's by Sandage and Binggeli. Its distribution density resembles two superimposed areas of concentration five degrees apart, one centered on M49 and the other centered on the massively luminous elliptical galaxy M87. Parts of it extend into the neighboring constellation of Coma Berencias, and it is also the home of the Sombrero Galaxy. For 10 points, name this closest large cluster of galaxies surrounding its namesake constellation, a feminine sign of the Zodiac.

ANSWER: **Virgo Supercluster** [accept **Local Supercluster**]

4. [AR]In 1842, he was appointed a second lieutenant in Corps of Topographical Engineers and he designed a number of lighthouses in the Florida Keys. After serving in the Mexican-American War under Zachary Taylor at the Battle of Monterrey, he was promoted to brigadier general at the start of the Civil War under the recommendation of Pennsylvania Governor Andrew Curtin. Born in Cadiz, and as a result of his distinguished performances at South Mountain and Fredericksburg where he temporarily broke through Stonewall Jackson's line, he was thrust into his most important role by Lincoln after Joseph Hooker's defeat at Chancellorsville. For 10 points, name this Union General best known for his key victory as head of the Army of the Potomac against General Lee in the Battle of Gettysburg.

ANSWER: Gen. George **Meade**

5. [AR]Fearing retaliation from the satrap of Sardis, Artaphernes, the primary instigator of this series of conflicts, initially sought the aid of Cleomenes I of Sparta who declined, but then found support from the Athenians. The conclusion of this set of events was sealed by a decisive victory at the Battle of Lade. This series of events was

triggered when Aristagoras, the ruler of Miletus, after a failed coup of Naxos incited a general rebellion in the area. One of the major conflicts during this event was the 498 BC Battle of Ephesus. For 10 points, name this series of revolts that occurred in the namesake region in Asia Minor at the start of the 5th century BC against the Achaemenid Empire that were quickly crushed by the Persians under Darius I.

ANSWER: **Ionian** Revolts or Rebellions [accept **Aristagoras** before "this series"]

6. [AR]One of the secondary constituents of this includes peroxyacetyl nitrate, which can be generated by the oxidation of VOCs. The primary constituent of this mixture is a phytotoxin and can be generated via multiple pathways including one where an excited oxygen atom produced from a photon at a wavelength between 280 and 310 nm, generates an OH seed that subsequently participates in a chain reaction involving the photolysis of NO<sub>2</sub> and formaldehyde. The incremental reactivity of the present hydrocarbon, the most reactive being terminally bound olefins and the least reactive being ethane, with the hydroxyl radical, characterizes the rate of formation for ozone, the primary constituent. With the largest concentrations of this occurring 10-100km from the main hydrocarbon emission source, for 10 points, name this atmospheric pollutant responsible for the characteristic haze over L.A. and pretty sunsets.

ANSWER: **photochemical smog** [prompt on smog]

7. [RF] He often dashed off poems during mealtimes such as those collected in *The Lunch Poems*. A writer for *Art News* and curator at the Museum of Modern Art, his work often discussed visual art, such as the poem "Why I Am Not A Painter". With poets like James Schuyler, Kenneth Koch, and John Ashberry, they formed a school which emphasized immediacy and the blending of high and low culture. His work often consisted of a collage of random events he called "I do this I do that" poem, such as his account of what he was doing when he learned of the death of Billie Holiday, "The Day Lady Died". He died on Fire Island after he fell asleep on the beach and was run over by a dune buggy. For 10 points, name this American poet and leading member of the New York School

ANSWER: Frank **O'Hara**

8. [AR] An early practical application of this was utilized in the scientific newsletter *Spectroscopia Molecular* from 1952-1980. Some of its design specifications were based on the work of Edgar de Wahl, a naval officer and teacher, whose namesake rule allows a semi-naturalistic conversion of verb infinitives into derived nouns and adjectives. It has no explicitly defined phonotactics and its founding organization the IALA decided to model its creation after the moderately naturalistic Occidental rather than the slightly schematic Novial. Despite the fact that English and Russian operate as control languages, it has been criticized as "Standard Average European" rather than the more universal aims its creators would suggest. For 10 points, name this international auxiliary language whose name comes from the Latin for "between tongues."

ANSWER: **Interlingua**

9. [AR]Their chairman a managing partner in the US Law Firm Skadden, Arps, Slate, Meagher & Flom, Bruce Buck, is the only other person to hold shares in this organization other than the majority owner. Their April 14th draw against Wigan Athletic will likely eliminate them from catching up to their long-time rivals; however, they had at the time an opportunity to collect silverware in the UEFA Champions League. The departure of Jose Mourinho saw the installation of the first Israeli manager of an English Premier League Team, Avram Grant. Owned by Russian billionaire Roman Abramovich and led by their captain John Terry and their superstar striker Didier Drogba, for 10 points, name this Greater London soccer team who have played its games at Stamford Bridge since 1905 and are nicknamed the Blues.

ANSWER: **Chelsea** F.C.

10. [AR]The Slate writer Ron Rosenbaum's private and public correspondence with the literary executor of this work has included an angry ALL CAPS e-mail, and much controversy surrounds the work even though only one other person, Brian Boyd, has read the work and even that only on 138 edited index cards. According to Delage-Toriel, it involves a central female character, Flora, who is the heroine of a novel within this novel, who is either literally destroyed or figuratively merged into a character named FLaura with a capital F and L. It also possibly involves Phillip Wild who is married to a woman named Flora because she reminded him of a woman named Aurora Lee. Some interpretations of the work suggest that it is a reworking of another controversial novel written about an incomplete woman. After 30 years of controversy, the executor has finally decided to publish the work against his father's dying wishes. For 10 points, name this soon to be published work written by the father of Dmitri Nabokov.  
ANSWER: **The Original of Laura**

11. [AR]She directed a movie starring Molly Ringwald and Carol Kane about a secretary who allows a computer technician to die and then suddenly becomes comfortable with killing, 1997's *Office Killer*. During the 1980's, in response to the NEA's cutting of funding to controversial artists such as Mapplethorpe and Serrano, she took pieces of medical mannequins and rearranged them in compromising positions in "The Sex Pictures." Always interested in the reconsumption of image and the destabilization of identity many of her other series, "Fairly Tale Disasters," "Working Girl," and "Centerfolds" recontextualizes many familiar scenes with a singular identity. For 10 points, name this MacArthur Fellowship artist and photographer famous for placing herself in many of her pictures such as in "Untitled Film Stills."  
ANSWER: Cindy **Sherman**

12. [AR]If we use Friedman-Lemaitre-Robertson-Walker equations to describe an isotropic universe filled with a perfect fluid then this is equal to the pressure divided by the mass density of the fluid. In Dieterici Equation, it appears twice as pre-exponential and exponential factor. In the Nernst Equation at room temperature, this divided by Faraday's constant is equal to 25.679 millivolts. In the Arrhenius Equation, it is present in the exponential factor dividing the Activation Energy. According to Equipartition theorem, the average molar energy of each quadratic term in the expression for the energy is one-half this. Measured in Joules per mole, for 10 points, name this ubiquitous product of two values equal to  $PV$  over  $n$  in the ideal gas law.  
ANSWER: **RT** [or **R times T** or **gas constant times Temperature** accept **kT** until "molar energy"]

13. [AR]The Atiyah-Hirzebruch theorem suggests that this cannot hold integrally. It is also remarked that it might be useful to express the namesake classes in terms of Chern classes, which is possible because vector bundles have plenty of meromorphic sections. A naïve version of this assumes that relevant projective space cannot be weakened to be merely Kahler. It deals with schemes of finite type over a field, and the geometric interpretation in  $R$ -space is defined as the set of points satisfying a system of polynomial equations, which according the Hilbert basis theorem-a finite number of equations is sufficient. Furthermore, it asserts that these can be represented by linear combination of homology classes, otherwise known as its namesake cycles. For 10 points, name this Clay Institute Millennium Prize problem, which asserts that for projective algebraic varieties, these eponymous cycles are rational linear combinations of algebraic cycles.  
ANSWER: **Hodge Conjecture**

14. [AR]Horatio Gates came to prominence after he replaced Phillip Schuyler as commander of the Northern Department after the loss of this. During the first major conflict here, the vacillation of a British General to subdue this place fortified with less than 4,000 soldiers, despite having 15,000 troops at his disposal confirmed his appellation as Mrs. Nanny Cromby. In another engagement, meager British forces under Captain Delaplace and Lieutenant Feltham were quickly overrun, "in the name of the great Jehovah and the Continental Congress!"

Captured by Jeffrey Amherst in 1759 it was renamed after the Iroquois word for "place between two waters." Originally built by the French as Carillon, for 10 points, name this fort between Lake Champlain and George captured by Ethan Allen's Green Mountain Boys during the Revolutionary War.

ANSWER: Fort **Ticonderoga**

15. [AR]Anthropologist Piers Vitebsky suggests through his work with the Reindeer People that the usage of this term is appropriate though fragmented, and disagrees with Alice Kehoe who suggests the usage outside Siberia is cultural appropriation. Coming from the Turkic-Tungus word for "he or she who knows," an important common feature of this group or practice is an initiatory crisis and can be related to the kundalini process in Hinduism. According to Mircea Eliade, typical practitioners are able to transverse the axis mundi usually through the use of ethenogens or auto-hypnotically. For 10 points, name this group or practice which refers to individuals who are capable of spiritual healing and engage in ecstatic trances sometimes derisively called "witch doctors."

ANSWER: **shamanism** [do not accept or prompt on "witch doctors"]

16. [AR+AN]The Cambodian people are mythically descended from the union of the daughter of their king and an Indian Brahmana, and are said to still rule over the Mekong River. Considered to be offspring of the Rishi Kasyapa, the entrance to their city, Bhogavati, is marked by anthills. Members of this race served Sesha, who supports the resting Vishnu during the interval between creations. Varuna is sometimes noted as their king and it is also said that Mucilinda is a king of this race who sheltered the Buddha under his seven hoods during a downpour. In Tibetan Buddhism, they are said to guard the Buddhist scriptures. Identify, for 10 points, these South Asian supernatural beings that are half man, half serpent.

ANSWER: **Nagas**

17.[AR]The second time this occurred, the action was led by Gheorghe Avramescu of the Romanian Mountain Corps under the command of Erich von Manstein and the 11th German Army. During the final assault, troops of the First Mountain division flew a Romanian flag atop the Nakhimov monument, while Avramescu with his Fourth Mountain Division, captured 10,000 POWs from the 109th Rifle Division at the Balaclava Pocket. The first instance of this occurred 88 years prior and saw the death of Vladimir Kornilov, Vladimir Istomin, and Admiral Nakhimov at the Malakoff Redoubt. The experiences of this event lasting from 1854-1855 were recounted in a work by Leo Tolstoy. For 10 points, name these military blockades, the second occurring during WWII and the first during the Crimean War, of a port city in Ukraine.

ANSWER: Siege of **Sevastopol** [accept Battle of Sevastopol]

18. [AR]A theatrical version of this work, adapted by Patrick Barlow, is currently playing on Broadway, albeit it as a comedy. In the 1978 black & white film version of this work directed by Don Sharp, Robert Powell playing the main character is dangling from the minute hand in the Big Ben tower scene. That version is considered the most faithful to the original source, while the 1959 color version directed by Ralph Thomas ends at the Palace Music Hall where Robert Hannay asks Mr. Memory what the title subject means. In the original source, a 1915 novel written by a Governor General of Canada, John Buchan, the title refers to a specific number of the title action taken. For 10 points, name this work the most famous version of which was a film directed in 1935 by Alfred Hitchcock.

ANSWER: **The Thirty-Nine Steps**

19. [RF] Based on an aria from the opera *Le Cid*, in this work the singer receives a call warning "Here come the planes/So you better get ready...This is the hand, the hand that takes". When love, justice, and force are gone, "there's always Mom" and the singer longs for her mother to hold her "In your automatic arms...Your petrochemical arms". During the entire 8 minutes and 21 seconds, in the background the singer repeats "ha ha ha ha ha ha ha ha".

Inexplicably, this work dedicated to composer Jules Massenet reached #2 on the UK singles chart in 1981. Part of the larger work *United States*, it originally appeared on the album *Big Science*. For 10 points, name this minimalist work by Laurie Anderson, an ode to the Man of Steel.

ANSWER: "**O Superman** (For Massenet)"

20. [AR]It implores its target audience with a "thunderous crash," and demands that the title entity will never become French. Initially composed of five stanzas, two additional stanzas were added later including the last one, which ends with the couplet "Hail Wilhelm, Down with All that brood/Repay our shame with the foes' blood." The refrain also added later suggests the fatherland should have no fear because the title activity is vigilant. It is famously drowned out by the "Marseilles" in Rick's Bar in *Casablanca*. Written by Max Schneckenburger around the same time as the German National Anthem, for 10 points, name this patriotic hymn about protecting the title river.

ANSWER: *The **Watch on the Rhein*** [or **Die Wacht am Rhein**]

TB. [AR]One entity that was a member of this group advocated political diplomacy and establishing Vertical and Horizontal Alliances. Another member believed that Agricultural development was the best way to promote advancement. Other groups include the Dialecticians who focused on the meanings of words and logic, and the Generalists attempted to mix and aggregate all of the teachings and were represented by Lu Wei. This period was referenced in a governmental campaign by Mao Zedong to allow ideological criticisms of the government, though some believed it was a trap. Occurring during the Spring and Autumn Annals and Warring States period, for 10 points, name this Golden Age of philosophical contention in Ancient China.

ANSWER: ***The Hundred Schools of Thought***

TB. [JR] It is the world's 20th most populous city, and second most populous in South America with some 7.1 million people within the city proper. Its current mayor through 2011, Samuel Moreno Rojas, was born in Miami, FL, and is the grandson of former military dictator Gustavo Rojas Pinilla. It is located in the center of the country, on a high plateau in the Andes, about 8600 feet above sea level. Once the center of civilization for the Muisca people, for 10 points, identify this capital city chartered on August 6, 1538 by Gonzalo Jiménez de Quesada and originally called Santa Fé de Bacatá in Colombia.

ANSWER: **Bogotá**

### **Bonuses**

[AR]It states, "In the addition of HX to an alkene, the acid hydrogen becomes attached to the carbon with fewer alkyl substituents, and the halide group becomes attached to the carbon with more alkyl substituents."

[10]For 10 points, name this rule of organic chemistry.

ANSWER: **Markovnikov's** Rule

[10]Markovnikov's Rule deals to what degree this property holds for a reaction in which one direction of bond making or breaking occurs preferentially over all other possible directions.

ANSWER: **Regioselective** [accept word variants]

[10]Regioselectivity in ring-closure formation are subject to this set of empirical rules that determine the preferred pathway for the formation of 3 to 7-membered rings.

ANSWER: **Baldwin's** Rules

[AR]His broken engagement to Regine Olsen represented a major personal and philosophical event in this thinker's life, for 10 points:

[10]Name this Dour Dane from Copenhagen whose work *Fear and Trembling* offered a novel analysis of the Binding of Isaac.

ANSWER: Soren **Kierkegaard**

[10]Kierkegaard compares the role of the Knight of Faith to this other knight in *Fear and Trembling* as a typology from which to understand Abraham's sacrifice.

ANSWER: Knight of **Infinite Resignation**

[10]This work is coupled with *Fear and Trembling* as it was published simultaneously. Pseudonymously written by Constantin Constantius, it discusses among other things an ethical dilemma of whether to break off an engagement.

ANSWER: **Reptition**

[JR] Identify the work of a French author for 10, or five if you need additional information about that author.

[10]This novel tells the tale of Frederic Moreau, a young French provincial living during the Second Empire, who falls in love with an older women named Marie Arnoux.

[5] This work is written by the author of *Madame Bovary*.

ANSWER: **Sentimental Education**

[10]In this work, we are introduced to a number of Prussian officers, including one, an arrogant and effeminate Captain the title character, who hires a Jewish prostitute named Rachel, crude German jokes in broken French ensue.

[5] This work is by the author of such stories as "The Necklace" and "Ball of Fat."

ANSWER: "**Mademoiselle Fifi**"

[10]In this 1867 novel later turned into a play of the same name as the title heroine is unhappily married to her first cousin Camille, who enters into an adulterous relationship with Laurent, the novel is intended to be a scientific study of temperaments and not characters according to the author.

[5] It is written by the author of *Germinal* and *J'accuse*

ANSWER: **Thérèse Raquin**

[AR]All instances of this culture predate de Soto's exploration of the namesake river, for 10 points each:

[10]Name this medieval mound-building culture that flourished in the Midwest and South East of the United States.

ANSWER: **Mississippian** Culture

[10]This Mississippian Culture site was the largest city ever built north of Mexico in antiquity, with an estimated population of 15,000 this city was located outside of what is now East St. Louis just 8.65 miles from the NAQT ICT 2008 hotel according to Mapquest.

ANSWER: **Cahokia**

[10]In Cahokia, this was the largest mound ever built by the culture, consisting of four terraces and 22 million cubic feet of earth, it covers 16 acres.

ANSWER: **Monk's Mound**

[AR]This champion of symbolic anthropology, wrote an ethnography entitled *Islam Observed* about the development of religion in Morocco and Indonesia, for 10 points

[10]Name this long time professor at the Institute for Advanced Study in Princeton from 1970-2000, whose works promoted a methodology of "thick description."

ANSWER: Clifford **Geertz**

[10]In Clifford Geertz's work *The Interpretation of Cultures* he presents an analysis of "deep play" in the context of notes he took regarding this activity he witnessed on the titular island.

ANSWER: **Balinese Cockfight** [accept clear-knowledge equivalents, prompt on cockfight]

[10]Geertz borrows the phrase "deep play" in his understanding of the Balinese Cockfight from this 18th and 19th

century British utilitarian who dismisses such play wherein the stakes are so high that it becomes irrational to engage in.

ANSWER: Jeremy **Bentham**

[JR] Identify these literary works having to do with the Congo Free State of yore for 10 points each. 5 points if you need the author.

[10] This 1905 pamphlet is a scathing satire of the Belgian king's rule over the Congo Free State, ostensibly recounting the king speaking in his own defense against the "meddlesome American missionaries", "frank British consuls", and "blabbing Belgian-born traitors."

[5] Mark Twain

ANSWER: **King Leopold's Soliloquy**

[10] Lines from this poem by a Midwestern American poet known as the "Prairie Troubador" include: "Listen to the yell of Léopold's ghost, / Burning in Hell for his hand-maimed host."

[5] Vachel Lindsay

ANSWER: "**The Congo**"

[10] This novella describes an Englishman's stint as a ferry-boat captain, employed by a Belgian trading company to transport ivory. Although not explicitly named, the implied locale for the story is the Congo River in the Congo Free State, where the protagonist must retrieve and return a key passenger revered as a demigod by the local inhabitants, back to civilization.

[5] Joseph Conrad

ANSWER: **Heart of Darkness**

[AR]Types included Screw, Mixed and Edge, for 10 points:

[10]Name this general form of a crystallographic defect or irregularity

ANSWER: **Dislocations**

[10]This vector usually denoted  $b$  describes the magnitude and direction of a propagating dislocation within a lattice or crystalline structure

ANSWER: **Burgers** Vector

[10]Peierls Stress, the force that causes a dislocation to move within the unit cell is based on the width of the dislocation, which can be determined in part by using this ratio that determines change in transverse strain when a stress is applied axially.

ANSWER: **Poisson** Ratio

[AR]Richard Beresford in his work, a summary of the literature written about this painting from 1672-1994, suggests that one interpretation is "wealth enjoyed to excess will lead to poverty,"

[10]For 10 points, name this painting that depicts the anthropomorphized Seasons holding hands facing outwards, seeming to tread in rhythm set by the winged grey-bearded lyre playing figure off to the right.

ANSWER: **A Dance to the Music of Time**

[10]The painting, *A Dance to the Music of Time*, was executed by this 17th century French classical painter of such other works as *Les Bergers d'Arcadie* and *The Continnence of Scipio*.

ANSWER: Nicolas **Poussin**

[10]This cycle of paintings by Poussin, one of which called *Penance*, was lost in a fire.

ANSWER: **Seven Sacraments**

[AR]During this brief independence movement, Mariano Vallejo was taken prisoner at Sutter's Fort, for 10 points:

[10]Name the short lived Republic that formed as a result.

ANSWER: **Bear Flag Republic**

[10]The Bear Flag Republic was born when members of the revolt placed the flag in the middle of this town, acting on the orders of John C Fremont. The town is located in its namesake valley north of San Francisco.

ANSWER: **Sonoma**

[10]This first and only president of the Bear Flag Republic proclaimed its independence in Sonoma on June 15th, 1846.

ANSWER: William B. **Ides**

[JR] Identify these post-World War I novels for 10 points each. 5 points if you need the author.

[10] This is the author's first novel. The central character is a fighter pilot shot down in Europe and believed dead, but who mysteriously resurfaces on a train bound for home. Because of a horrible head wound, he can remember nothing from his previous life in Charlestown, Georgia, and his worsening condition allows him to receive the titular item.

[5] William Faulkner

ANSWER: **Soldier's Pay**

[10] This novel's title is taken from Ecclesiastes 1:5 and features a group of expatriate Americans in Europe during the Twenties. The main character is a World War I veteran whose wounds have left him impotent, and he attempts to content himself through hard work, drinking, and bull fights.

[5] Ernest Hemingway

ANSWER: **The Sun Also Rises**

[10] The author of this novel served in the Ambulance Corps during World War I, along with friends E. E. Cummings and Robert Hillyer. This book portrays the lives of a trio of army privates: Fuselli, an Italian American store clerk from San Francisco; Chrisfield, a farm boy from Indiana; and Andrews, a musically gifted Harvard graduate from New York.

[5] John Dos Passos

ANSWER: **Three Soldiers**

[JB] Stuff from Norse mythology, for 10 points each:

[10]Just before wolves devour the sun and moon, and Loki and Fenrir are free again to begin Ragnarok this "Great Winter" will occur.

ANSWER: **Fimbulvetr**

[10] During Ragnarok, terrific floods will release this beast from the watery depths, to do battle with Thor...They both die.

ANSWER: **Jormungandr** or the **Midgard Serpent**

[10] After Ragnarok, the wicked will be condemned to a part of Hel called Nastrond, or the Shore of Corpses. Here, the bodies of the dead are eternally poisoned, mauled by wolves, and sucked on by this dragon, also known as the Malice Striker.

ANSWER: **Nidhogg**

[AR]The Quran has parts, name them for 10 points each:

[10]From the Arabic for "sign" or "miracle" this is the term given to individual verses or lines from it.

ANSWER: **Ayah** or **Ayat**

[10]This is the term given to the individual chapters of the Quran, meaning "an enclosure" they are arranged in



roughly descending order in terms of length.

ANSWER: **Surah**

[10]After "The Opening" or Al-Fatiha, is this surah the longest in the Quran by some 80 ayat, its title takes its name from an argument between Moses and the Israelites about the proper age of the titular creature being prepared for sacrifice.

ANSWER: **Al-Baqara** or "**The Heifer**" [accept "The Cow"]

[AR]In the month prior to this conflict Egypt expelled the United Nations Emergency Force from the Sinai Peninsula, for 10 points:

[10]The immediate casus belli was the closing of the Strait of Tiran by the Egyptian navy and began when a preemptive strike by Israeli's occurred on June 5, 1967.

ANSWER: **Six-Day War** [accept **Six Days' War** or **Third Arab-Israeli War**]

[10]Levi Eshkol appointed this military commander to Minister of Defense during the Six-Day War, he was popular with the Israeli people for his fighting spirit and charisma, I think it was the eye-patch.

ANSWER: Moshe **Dayan**

[10]Moshe Dayan suggested that he made a mistake as Defense Minister by allowing Israeli forces to occupy this mountainous region on the border with Syria.

ANSWER: **Golan Heights**

[AR]This entity, a fractal curve has an infinite surface area and zero volume, for 10 points each:

[10]Give this universal curve, which can be constructed by taking a cube, dividing each face into 9 equal cubes and removing the middle one, and then repeatedly divide and remove the remaining.

ANSWER: **Menger-Serpinski Sponge** [accept either underlined name]

[10]The set in Euclidean space which constructs the Menger-Serpinski Sponge is closed and since it is bounded, according to this doubly-eponymous theorem, it must also be compact.

ANSWER: **Heine-Borel** Theorem

[10]The Menger Sponge's has this measure of approximately 2.7, sometimes known as the fractal dimension or the capacity dimension, it is a way to define dimension by taking its metric into account.

ANSWER: **Hausdorff** dimension

[AR]Answer the following about bloodshed in Iraq...in the 9th century, for 10 points each:

[10]This set of rebellions lasting from 868-883 AD led by Ali Mohammed who led the eponymous group of East African slaves that were set to work in the salt pans of the Shatt Al-Arab.

ANSWER: **Zanj** Rebellions

[10]The Zanj Rebellions occurred during the rule of this Islamic Dynasty, with capital at Harran and Baghdad, they overthrew the Umayyad and ruled until Hugal Khan sacked Baghdad in 1258.

ANSWER: **Abbasid** Dynasty

[10]According *The Golden Meadow*, a text by the historian Masudi, Ali Mohammed and his Zanjan ex-slaves killed 300,000 people in this city, it is currently Iraq's third largest city and was the cite of a major US offensive against Muqtada al-Sadr forces that occurred in here in March 2008.

ANSWER: **Basra**

[AR]Similar to latches answer the following about these two-state electronic circuit devices, for 10 points each:

[10] First developed by Eccles and Jordan, these devices are often regulated by a clock signal, the most basic kind can be constructed with two NOR or NAND gates.

ANSWER: **flip-flop**

[10] This type of flip-flop is a refinement of the Clocked SR Flip-Flop, as the indeterminate states, namely when S and R are equal to one are defined in this flip-flop.

ANSWER: **JK** flip-flop

[10] Many flip-flops are constructed to engage only on the rising or falling signal transitions of the clock signal, this sort of construction as opposed to a simple clocked flip-flop can avoid multiple-transition issues.

ANSWER: **Edge-Triggered**

[JR] Identify these 18th century American authors for 10 points each:

[10] He authored more than 450 books and pamphlets, including the *The Ecclesiastical History of New England*.

ANSWER: Cotton **Mather**

[10] In 1782, this veteran of the French and Indian War published a volume of narrative essays entitled the *Letters from an American Farmer*.

ANSWER: J. Hector St. John de **Crèvecoeur**

[10] Among this prolific author's works were a number of economic treatises, including 1769's "Positions to be Examined Concerning National Wealth" and 1788's "Reflections on the Augmentation of Wages which will be Occasioned in Europe by the American Revolution."

ANSWER: Benjamin **Franklin**

[AR] It is the birthplace of Napoleon, for 10 points:

[10] Name this fourth largest island in the Mediterranean and territorial collectivity of France.

ANSWER: **Corisca**

[10] Corsica is bounded by the Tyrrhenian Sea to the East and this extension of the Mediterranean to the North, with port cities including Genoa. The Arno drains into this sea

ANSWER: **Ligurian** Sea

[10] The capital of Corsica is this town, where Casua Bonaparte still stands, other famous residents have included Irene Bordoni, and Tino Rossi

ANSWER: **Ajaccio**

[EO] Name these Wagner operas, for 10 points each.

[10] A knight appears on a boat drawn by a swan in this opera, a response to Elsa's wish for a knight in shining armor. He agrees to be Elsa's champion, but she is never to ask who he is or where he comes from. However, Ortrud, a witch, plots to get Elsa to ask the name of this knight.

ANSWER: **Lohengrin**

[10] The battle between profane and sacred love is exemplified with the titular character's struggle between his love of Elizabeth and his love of Venus. However, Wolfram, his companion, is also in love with Elizabeth. In the third act features the famed "Song to the Evening Star". The opera ends with the titular character's staff sprouting leaves, as a sign that God has forgiven him.

ANSWER: **Tannhauser**

[10] This opera had libretto written by Wagner after Shakespeare's *Measure for Measure*, this "comic" opera was a terrible failure after the lead singer forgot many of the words and had to improvise; and it was cancelled after two cast members came to blows before the curtain rose. It was never revived in Wagner's lifetime and only made its North American premiere in 2007 by the Lyric Opera of Los Angeles.

ANSWER: **Das Liebesverbot** (*The Ban on Love*)

[JR] Answer the following about a minor prophet of the Old Testament for 10 points each:

[10] This prophet was directed by God to marry a harlot, with the marriage being symbolic of the covenantal

relationship between God and Israel.

ANSWER: **Hosea**

[10] This was the adulterous wife of Hosea.

ANSWER: **Gomer**

[10] This was the son of Hosea and Gomer, whose name literally means "God Scatters", and is synonymous with a valley in which there was much bloodshed in Israel's history.

ANSWER: **Jezreel**