

WHAQ (Washington High Academic Questionfest) II: Miami Connection

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Written by current and former members of the teams at Washington and Miami Valley

Packet 6

Tossups

1. Japanese parents sometimes tell their children to hide their bellybuttons from the god of this entity. The orisha [*“oh-ree-sha”*] of this entity is often depicted with a double axe on his head, and his consort is named Oya. The son of the Hawaiian god of this entity was kidnapped by Hilo. Mamangan, the aboriginal god of this entity, sometimes lives in a puddle, and the Aztec god of this entity and death is often depicted as a dog; that deity of this entity is named Xolotl [*Zo-lot-ull*]. A tomoe is depicted on the (*) drum of the kami of this entity, the demonic-looking Raijin. The Norse god of this phenomenon uses the hammer Mjolnir [*“Myol-need”*]. For 10 points, name this phenomenon, controlled by gods such as Thor.

ANSWER: **Thunder** [or **Lightning**; or **Storms**; Almost all of these gods ruled over at least a combination of those] <David Dennis>/<ed. JO>

2. According to the principle of corresponding states, two gases with equal values of reduced temperature and the reduced form of this quantity will have equal volumes. One form of this quantity is multiplied by its mole fraction in Raoult's Law. According to Dalton's law, the total value for this property is equal to the sum of the (*) "partial" forms of it. This value is commonly plotted against temperature in a phase diagram. A liquid boils when the vapor form of this quantity overcomes its atmospheric form. For 10 points, name this measure of the force per unit area, which can be measured in torrs or bars.

ANSWER: **pressure** [or **vapor pressure** before “vapor” is read] <David Dennis>/<ed. AR>

3. These people settled as *foederati* [*“fed-er-ah-tee”*] across the Danube while being led by Saphrax and Fritigern. According to the *Getica* of Jordanes, a leader of these people was trampled after being thrown from his horse at a battle his army won while aiding Flavius Aetius. A leader of these people usurped Odoacer [*“Oh-do-ay-sir”*] and ruled the Italian peninsula from Ravenna. These people were defeated by the Franks at Toulouse and controlled (*) Spain until the arrival of Umayyad [*“Oo-my-add”*] forces. This tribe was led by Alaric I in a 410 sacking of Rome, which inspired St. Augustine to write *The City of God*. For 10 points, name this Germanic tribe, which split into “Visi” and “Ostro” branches.

ANSWER: **Goths** [or Visi**goths**; or Ostro**goths**] <David Dennis>/<ed. JO>

4. At the climax of this film, a dissenting voice in a large crowd declares that he'd rather be a keychain at the Museum of Natural History. During one scene in this film, Layton Montgomery presents a bear as evidence. The protagonist gets lost after being trapped on tennis ball that goes out of bounds in a game between (*) Ken and Vanessa, whom the protagonist later asks if she likes jazz. While at a farm, the main character of this movie sees that people use smoke to incapacitate members of his race so they can steal honey. For 10 points, name this animated film in which Jerry Seinfeld plays Barry, a member of the title species.
ANSWER: The Bee Movie <William Groger>/<ed. SP>/<ed. JO>

5. One character in this play claims "The lunatic, the lover, and the poet / are of imagination all compact." A group of "rude mechanicals" in this play are assigned roles such as a wall and moonlight when performing *Pyramus and Thisbe* ["Peer-ah-mus and Thiz-bee"]. A queen in this play becomes infatuated with a (*) donkey-headed character, who was originally the snob actor Nick Bottom before meeting Puck. For 10 points, name this Shakespeare play that ends with Helena marrying Demetrius, and Lysander marrying Hermia.
ANSWER: A Midsummer Night's Dream <Carrie Derner>/<ed. ME>

6. This natural phenomenon is affected by the "Charleston Bump." Bache discovered that this phenomenon experiences a separation at the "cold wall" after passing the Blake plateau. This feature forms the western boundary of the Sargasso Sea, and was originally mapped by (*) Benjamin Franklin. This feature explains why ocean travel from North America to Europe is faster than the reverse trip. Along with the Canary current, this feature drives the North Atlantic gyre ["jye-urr"]. For 10 points, name this warm-water boundary current stretching from the eastern U.S. through the north Atlantic.
ANSWER: Gulf Stream <David Dennis>/<ed. HB>

7. One work by this author begins with sections titled "The Knowledge of God the Creator" and "The Knowledge of God the Redeemer." When Martin Bucer invited this man to Strasbourg, his experience there helped guide future reforms in another city. This man was responsible for the execution of Michael Servetus while at (*) Geneva. The "Five Points" of this man's theological tradition include perseverance of the saints and limited atonement. For 10 points each, name this Reformation-era theologian who authored *Institutes of the Christian Religion*.
ANSWER: John Calvin <Sophia Johnson>/<ed. AR>

8. In one story by this author, an unnamed narrator argues with a salesman about how to stay safe in a thunderstorm. The title character of another of this author's short stories lives at the Dead Letter Office, where he works with Turkey and Nippers and repeats the phrase "I would prefer (*) not to." This author included "The Lightning-Rod Man" and "Bartleby the Scrivener" in his collection *The Piazza Tales*, and the narrator of his most famous novel asks the reader to "Call [him] Ishmael." For 10 points, name this American author who wrote about Captain Ahab's hunt of the title whale in *Moby-Dick*.
ANSWER: Herman Melville <Carrie Derner>/<ed. ME>

9. One artist who worked in this style signed his name in the bottom left of a painting next to a dead rabbit and a bundle of arrows. Francois Boucher's [*"Fran-swah Boo-shay's"*] *Diana After the Hunt* is in this style as is another painting which depicts an armless statue of Venus and several flying Cupids flanking people that are either getting on or off a golden boat. In another painting in this style, a woman in a (*) pink dress and straw hat kicks off her shoe towards a man. *The Swing* exemplifies, for 10 points, what colorful artistic style of Watteau [*"wah-toe"*] and Fragonard?

ANSWER: Rococo <David Dennis>/<ed. CW>

10. In a speech, this man proclaimed "today, it's time to stop singing and start swinging," since "singing" didn't help Cassius Clay "to become the heavyweight champion of the world." After this man described John F. Kennedy's assassination as "chickens coming home to roost," Elijah (*) Muhammad ordered him to remain silent for ninety days. This giver of the "Ballot or the Bullet" speech was assassinated in 1965 by three members of his former organization in the Audubon Ballroom. For 10 points, name this black nationalist who broke with the Nation of Islam.

ANSWER: Malcolm X [or Malcolm Little; or El-Hajj Malik El-Shabazz] <Sophia Johnson>/<ed. JO>

11. Under Constantine I, attempting to do this to a person without proving them "a murderer, a preparer of poison, or a disturber of tombs" could result in being deported to an island. Cherokee could perform this action by placing a deerskin outside of their dwelling and placing a person's belongings on it. A "Velvet" one of these actions was opposed by Vaclav (*) Havel and split Czechoslovakia into the Czech Republic and Slovakia. "The Great Matter" was the term Henry VIII use to refer to this action, which he managed to perform with Catherine of Aragon. For 10 points, name this action, historically involving remission of a dowry, by which a couple's marriage ends.

ANSWER: Divorce [or Velvet Divorce] <David Dennis>/<ed. JO>

12. One form of this quantity for a particle in a rotating system is equal to minus 2 times the cross product of the angular velocity and the particle's velocity with respect to the system. Charged particles being reflected by a moving interstellar magnetic field can randomly experience the second-order Fermi (*) type of this quantity. This quantity is zero for an idealized Atwood machine. For 10 points, name this quantity, measured in meters per second squared equal to the rate of change of velocity.

ANSWER: acceleration [prompt on A or A net] <David Dennis>/<ed. HB>

13. **An uncontacted tribe inhabits an archipelago in this body of water that has a capital at Port Blair. Cities on this body of water include Port Elizabeth and Saint-Denis, and Diego Garcia, along with the Chagos Islands, comprises a British territory named for it. Its division from another ocean is located at Cape Agulhas in (*) South Africa. Reunion and the Andaman Islands are located within this body of water. For 10 points, identify this ocean that contains the Maldives [*"Mall-deevs"*] and Madagascar, and borders the Bay of Bengal and its namesake subcontinent.**

ANSWER: **Indian** Ocean [or the **Bay of Bengal** before "Port Elizabeth" is read; or the **Andaman** Sea before "Port Elizabeth" is read] <John John Groger>/<ed. DD>

14. **In one work by this author, Lady Waldemar wants the title character to convince Marian Erle and Romney to break up. This poet wrote the verse novel *Aurora Leigh*, and began one collection with the line "I thought once how Theocritus had sung." The thirty-third poem in that collection by this author begins, "Yes, call me by my (*) pet name!" For 10 points, name this poet who asked "How do I love thee? Let me count the ways" in her collection *Sonnets from the Portuguese*.**

ANSWER: **Elizabeth Barrett Browning** [prompt on **Browning**] <Carrie Derner>/<ed. ME>

15. **A theme from the last movement of a work by this composer is the foundation for the tone row in Anton Webern's String Quartet. This composer used a plainchant found in the St. Thomas Gradual as the opening fugal theme to the "Symbolum Nicenum" [*"Sim-bol-um Ni-cee-num"*], which functions as the *Credo* section of a larger work. The basis of Gounod's *Ave Maria* comes from this composer's collection of 24 (*) preludes and fugues. This composer wrote a work to help with a Count's insomnia, which consists of 30 variations on an aria. For 10 points, name this German Baroque composer of *The Art of the Fugue*, *Mass in B Minor*, *Goldberg Variations* and the *Well-Tempered Clavier*.**

ANSWER: Johann Sebastian **Bach** <David Dennis>

16. **Mutations to a member of this kingdom from X-rays helped to prove the "one gene-one enzyme" hypothesis of Beadle and Tatum. When working with an organism from this kingdom, Hartwell and Nurse won a Nobel Prize for their discovery of CDC genes and checkpoints in the cell cycle. All orchids depend on members of this kingdom at some point in their life cycle, as they form a (*) mycorrhizae [*"my-core-i-zay"*]. Model organisms from this kingdom include *N. crassa* and *S. cerevisiae* [*"cer-a-vis-ee-ay"*]. Their cell walls contain chitin [*"kye-tin"*]. For 10 points, name this kingdom that includes yeasts, molds and mushrooms.**

ANSWER: **Fungi** <David Dennis>/<ed. AR>

17. **In one of this author's stories, the main character has difficulty drinking a bottle of Schnapps and describes his former life as an ape. This author wrote about a man who is replaced by a panther after starving to death in a cage in "A Hunger Artist." In a novella by this author, the protagonist hears his sister play the violin, and has an (*) apple thrown at his back by his father, after awakening to find himself transformed into a giant bug. For 10 points, name this author, who wrote about Gregor Samsa in *The Metamorphosis*.**

ANSWER: Franz **Kafka** <Tyler Benedict>/<ed. ME>/<ed. JO>

18. This man praises some ministers for remaining virtuous “when the state lacked the Way” in one text by this thinker who claimed he was a “a transmitter and not a maker.” This man exclaimed, “Heaven has bereft me!” when his disciple Yan Hui died. This man stated that the “gentleman is not a vessel” and that goodness is rooted in (*) filial piety. This man formulated the Silver Rule and included ruler-to-subject relationships in his Five Relationships. For 10 points, name this Chinese philosopher whose thoughts were recorded in the *Analects*.

ANSWER: Confucius [or Kong Fuzi; or K'ung-fu-tzu; or Kong Qui] <Sophia Johnson>/<ed. HB>

19. A film by this director ends as a woman puts down a book by William O. Douglas and picks up a copy of Harper's Bazaar. That film by this director uses many POV shots and the Kuleshov effect to heighten the audience's sense of voyeurism. A film by this director uses eight shots that last over 7 minutes each; that film is *Rope*. The dolly zoom was first used by this director to convey the (*) acrophobia of a character. In this director's most famous film, Janet Leigh is murdered in a shower. For 10 points, name this British director, who made a cameo in many of his films, such as *Rear Window*, *Vertigo*, and *Psycho*.

ANSWER: Alfred Hitchcock <David Dennis>

20. This conflict was preceded by a border raid at Samua called Operation Shredder. After this conflict, Hafez al-Assad nearly lost his job as his country's defense minister, and the Khartoum Resolution's “Three No's” were adopted. A major cause of this non-Suez Crisis war was the blockade of (*) Eilat, and this war began with the surprise Operation Focus, which destroyed most of Egypt's air force while it was on the ground. Gains for this war's winning side included Gaza and the West Bank. For 10 points, name this war in which an Arab coalition suffered a swift and decisive loss to Israel in June 1967.

ANSWER: Six-Day War [or the 1967 War or June War before “June 1967” is read; or the Third Arab-Israeli War; or the Third Israeli-Arab War; or an-Naksah; or The Setback; prompt on Arab-Israeli War; prompt on Israeli-Arab War] <Tyler Benedict>/<ed. JO>

Bonuses

1. These structures' "bent" type were named due to a switch from 54 degree inclination to a 43 degree inclination. For 10 points each:

[10] Name these structures, three of which were built for Menkaure [*Men-kaur-ay*], Khafre [*Khaf-ray*] and Khufu near Giza. These structures were constructed to be the tombs of the Ancient Egyptian pharaohs.

ANSWER: **Pyramids** [or Egyptian **pyramids**; or Bent **pyramids**]

[10] This area on the west bank of the Nile, near Luxor, was where most New Kingdom nobles were buried. Howard Carter discovered Tutankhamun's [*Toot-ankh-ah-moon's*] tomb in this location.

ANSWER: **Valley of the Kings** [or **Wadi al-Muluk**; or **Valley** of the Tombs **of the Kings**; or **Wadi** Biban **al-Muluk**]

[10] The first Egyptian step pyramid was built by Imhotep to honor this pharaoh. This Third Dynasty pharaoh was buried at the necropolis of Saqqara.

ANSWER: **Djoser** [or **Zoser**] <Cole Phinney>/<ed. JO>

2. This type of wave can be demonstrated by oscillating a rope fixed at one end. For 10 points each:

[10] Name this type of non-propagating wave where the places of constructive and destructive interference are constant. Musical instruments depend on these waves to produce sound.

ANSWER: **standing** waves

[10] In a standing wave, this is the location where there is no back and forth motion. At this place, destructive interference causes the amplitude to be zero.

ANSWER: **nodes**

[10] This term refers to integer multiples of the fundamental frequency other than the fundamental itself. The balance of these tones plays a large part in determining the characteristic sound of an instrument.

ANSWER: **overtones** <David Dennis>/<ed. HB>

3. In one short story by this author, the protagonist shoots himself and two other people in order for his triplets to be allowed to be born. For 10 points each.

[10] Name this author of short stories such as *2 B R 0 2 B* [*Two be are naught two be*], which appears in his collection *Welcome to the Monkey House*. He also wrote *Cat's Cradle*.

ANSWER: Kurt **Vonnegut, Jr.**

[10] Vonnegut is most famous for this novel, which follows the story of Billy Pilgrim being abducted by aliens and surviving the firebombing of Dresden.

ANSWER: **Slaughterhouse Five**, or *The Children's Crusade: A Duty Dance with Death*

[10] This recurring character in Vonnegut books is the science-fiction author of 117 novels and over 2000 short stories. This author's entire collection is owned by Eliot Rosewater.

ANSWER: **Kilgore** Trout [or Kilgore **Trout**] <ed. ME>/<ed. JO>

4. This man won his last election with almost 80% of the vote. It probably helped that of his nine opponents, only Yaroslav Romanchuk and Viktor Tereshenko [“*Ter-e-shenk-o*”] hadn’t been arrested. For 10 points each:

[10] Name this world leader, whose tax on the under-employed drew protests and mass arrests in Orsha and Grodno in early 2017. Condoleezza Rice called him “the last dictator in Europe.”

ANSWER: Alexander **Lukashenko**

[10] It was reported in April 2017 that gay men in this semi-autonomous Russian region have been subject to mass arrests. This territory’s leader, Ramzan Kadyrov, denied this.

ANSWER: **Chechnya**

[10] This country’s Aceh province’s strict anti-homosexuality laws led to a mass arrest at a sauna in May 2017. In 2016, this country was the site of protest for a referendum in West Papua.

ANSWER: **Indonesia** <David Dennis>/<ed. JO>

5. This god was known as the “Guardian of the Scales,” and he was the father of the serpent goddess Kebechet. For 10 points each:

[10] Name this jackal-headed Egyptian god of embalming.

ANSWER: **Anubis** [or **Anpu**]

[10] The Egyptian *Book of the Dead* describes Anubis weighing a dead person’s heart against an ostrich feather, which represents this goddess of truth.

ANSWER: **Ma’at**

[10] If a heart is found unworthy, it is devoured by the demoness Ammit, who has the head of this beast. This animal is also associated with the god Sobek.

ANSWER: Nile **crocodile** [do NOT accept “alligator”] <Tyler Benedict>/<ed. JO>

6. Kabbalistic Rabbi Haim Vital compiled a list of Jewish figures who had undergone this process in the text *Shaar HaGilgulim*. For 10 points each:

[10] Name this process, that is known as “wandering” in Sanskrit. In Hinduism, liberation from this cycle is known as moksha.

ANSWER: **reincarnation** [accept but do not reveal **samsara**; or **rebirth**; or the **transmigration** of souls; or **metempsychosis**]

[10] According to Hinduism, a way out of reincarnation is to perform this type of yoga. This type of yoga, named for the word “action”, requires one to work without expectation of any reward.

ANSWER: **karma** yoga

[10] An important book of Hindu philosophy is the Kathopanishad [“*Kat-o-pani-shad*”], in which the deity of this domain teaches a small boy about the cycle of reincarnation. This deity is known as Yama.

ANSWER: god of **death** [or god of the **underworld**; or god of **dharma**; accept word forms] <Sophia Johnson>/<ed. AR>

7. A pure sample of this material is a sweet-tasting clear syrupy liquid, and it can be used by long-distance athletes to delay dehydration. For 10 points each:

[10] Name this "backbone" of fat molecules with formula C₃H₈O₃. Up to three fatty acids can be esterified to one molecule of this alcohol.

ANSWER: **glycerol**

[10] A popular supplement for athletes is fish oil, which has a large ratio of omega-3 to omega-6 fatty acids. Those fatty acids are unsaturated due to the presence of these bonds, which are not present in saturated fats.

ANSWER: **double** bonds

[10] Athletes wishing to burn fat can supplement with the active L-form of carnitine [*"carn-i-teen"*], which helps to transport amino acids across this organelle's membrane. It's where the majority of fatty acid oxidation takes place.

ANSWER: **mitochondrion** [or **mitochondria**] <David Dennis>/<ed. AR>

8. During this battle, high casualties led the sunken road to be nicknamed "Bloody Lane." For 10 points each:

[10] Name this Civil War battle, where Joseph Hooker was wounded at the Dunker Church. This battle was the bloodiest single-day battle in American history.

ANSWER: Battle of **Antietam** [or the Battle of **Sharpsburg**]

[10] This General was dismissed as the commander of the Army of the Potomac following Antietam, due to his failure to follow Robert E. Lee's retreat.

ANSWER: George **McClellan** [or George Brinton **McClellan**]

[10] This commander of the ninth corps in the Army of the Potomac captured a bridge named after him at the Battle of Antietam. He also served as the first president of the NRA.

ANSWER: Ambrose **Burnside** [or Ambrose Everett **Burnside**] <Cole Phinney>/<ed. JO>

9. The reviewer for the *St. Petersburg Gazette* called this ballet "the most tedious thing I have ever seen." For 10 points each:

[10] He probably came up with the line during the dances in Act II. The first act of this ballet was adapted from an ETA Hoffman story, but omits the part where Marie falls into a glass cabinet.

ANSWER: *The **Nutcracker***

[10] Vaslav Nijinsky [*"Ni-jin-sky"*] wrote a dance for this musical setting of a Stephane Mallarme [*"Mal-ar-may"*] poem. This work's famous chromatic opening reflects the title creature's tuning of the reed flute he's making to seduce a couple of nymphs.

ANSWER: **Prelude on the Afternoon of a Faun**

[10] Prokofiev [*"Pro-kof-ee-ev"*] originally attempted to give this ballet a happy ending, saying "it was purely choreographic: the living can dance, the dying cannot." Several suites were made from sections of this ballet, such as the "Dance of the Knights."

ANSWER: **Romeo and Juliet** <Carrie Derner>/<ed. DD>

10. In one scene in this novel, Amina collapses in the street and breaks her collarbone when her husband is on a business trip. For 10 points each.

[10] Name this novel about Ahmad Abd Al-Jawad and his family, that takes place during World War 1. It's the first novel in the *Cairo Trilogy*.

ANSWER: **Palace Walk** [or **Between the Two Palaces**; or **Bayn al-Qasrayn**]

[10] This author of *The Thief and the Dogs* and *Miramar* wrote the *Cairo Trilogy*.

ANSWER: Naguib **Mahfouz**

[10] This home country of Mahfouz is where the *Cairo Trilogy* is set. Mahfouz wrote about the assassination of a president of this country in *The Day The Leader Was Killed*.

ANSWER: **Egypt** [or Arab Republic of **Egypt**; or Jumhuriyat **Misr** al-Arabiyyah] <Carrie Derner>/<ed. ME>/<ed. JO>

11. This class of compounds is characterized by an acyclic saturated hydrocarbon with only single carbon-carbon bonds. For 10 points each:

[10] Name this class of compounds. Their trivial name is paraffins and they have the formula C_nH_{2n+2} ["*C, n, H, 2n+2*"].

ANSWER: **alkanes**

[10] Each carbon at the end of a linear alkane bonds to this many hydrogens. This is also the number of hydrogens in one molecule of ammonia.

ANSWER: **3** [or **Three**]

[10] Ketones can be reduced to alkanes by using hydrochloric acid and an amalgam of this metal in the Clemmensen reduction.

ANSWER: **zinc** <Max Mader>/<ed. AR>

12. Once the Oregon trail reached the territory, it ended in the valley of this river, a feat made possible by the development of Barlow Road. For 10 points each:

[10] Name this river. This tributary of the Columbia river runs through Salem, Corvallis and Eugene.

ANSWER: **Willamette** River

[10] This largest city of Oregon lies where the Willamette river meets the Columbia River, in the shadow of Mount Hood.

ANSWER: **Portland**, Oregon

[10] This mountain range, which contains Mount Hood, also includes Mount Rainier and Mount St. Helens.

ANSWER: **Cascades** [or North **Cascades** National Park] <David Dennis>

13. This man survived an assassination attempt by Lee Bong Chang, known as the Sakuradamon Incident. For 10 points each:

[10] Name this emperor of Japan during World War II, who implored his people to “endure the unendurable” before surrendering.

ANSWER: Emperor **Hirohito** [or Emperor **Shôwa**]

[10] Following the bombing of Nagasaki, Hirohito recorded this broadcast, where he implored his people to “endure the unendurable” and accept the surrender of Japan.

ANSWER: **Jewel Voice** Broadcast

[10] Lee Bong Chang hailed from this peninsula, which was divided into “North” and “South” countries at the 38th parallel following a namesake war that ended in 1953.

ANSWER: **Korean** peninsula [or North **Korea**; or South **Korea**] <Cole Phinney>/<ed. JO>

14. In Mulvey’s film theory, these people are the “object,” as opposed to a counterpart’s “gaze.” For 10 points each:

[10] Name these people, one of whom wrote about “the problem who has no name” in a book titled for their “mystique.” That book about these people was written by Betty Friedan.

ANSWER: **Women** [or being a **woman**; or being **feminine**; or **feminist**; or *The **Feminine Mystique***; prompt on **sex**; do NOT accept of prompt on “gender”]

[10] This existentialist partner of Jean-Paul Sartre [*“SART”*] claimed that men characterize women as “the Other” in her book *The Second Sex*.

ANSWER: Simone de **Beauvoir** [or Simone Lucie Ernestine Marie Bertrand de **Beauvoir**]

[10] This UC Berkeley professor has described gender as performative in books such as *Gender Trouble* and *Bodies That Matter*.

ANSWER: Judith **Butler** <Sophia Johnson>/<ed. HB>/<ed. JO>

15. This character is claimed by his mother’s master Gray Beaver, and is terrorized by Lip-lip. For 10 points each.

[10] Name this part-wolf dog, who is domesticated when he moves to California with Weedon Scott.

ANSWER: **White Fang**

[10] This author of *White Fang* wrote about the dog Buck’s joining of an Alaska sled dog team in *The Call of the Wild*.

ANSWER: Jack **London** [or John Griffith Jack **London**]

[10] In this novel by London, Humphrey van Weyden is rescued by Captain Larson from the seal-hunting ship *The Ghost*.

ANSWER: *The **Sea-Wolf*** <Carrie Derner>/<ed. ME>

16. Ferdinand Protzman called him the “chain-smoking poster boy of Abstract Expressionism,” and Hans Namuth documented his “action painting” process. For 10 points each:

[10] Name this American artist, who used drip painting to create such works as *Lavender Mist* and *Autumn Rhythm*.

ANSWER: Jackson **Pollock** [or Paul Jackson **Pollock**; prompt on Jack the Dripper]

[10] Pollock primarily worked out of this American city. The Ashcan School was a group of artists that worked out of this city.

ANSWER: **New York** City [or **NYC**]

[10] Ashcan painter George Bellows is most well-known for his paintings of this sport. Bellows depicted members of this sport in *Both Members of This Club* and *Stag at Sharkey's*.

ANSWER: **boxing** [prompt on fighting] <Tyler Benedict>/<ed. CW>

17. This novel takes its title from a location in *The Pilgrim's Progress*. For 10 points each.

[10] Name this “novel without a hero,” that follows the lives of Emmy Sedley and Becky Sharp.

ANSWER: **Vanity Fair**; or *A Novel without a Hero*

[10] This British satirist contrasted the lives of the rich Emma Sedley and the orphan Becky Sharp in *Vanity Fair*.

ANSWER: William Makepeace **Thackeray**

[10] At the beginning of *Vanity Fair*, Becky Sharp vindictively smiles as she throws one of these objects out of a coach.

ANSWER: **dictionary** [or Samuel Johnson's *A Dictionary of the English Language*] <William Groger>/<ed. ME>

18. This government executed Rosa Luxembourg for leading the Spartacist Uprising. For 10 points each:

[10] Name this government of post-World War I Germany, that was ended by Adolf Hitler's rise to power.

ANSWER: **Weimar** [*“Vy-mar”*] Republic [or **Weimar** Germany]

[10] This last president of the Weimar Republic signed the Enabling Act of 1933, which gave Hitler the power to enact laws without the Reichstag. This man won at the Battle of Tannenberg.

ANSWER: Paul von **Hindenburg** [or Paul Ludwig Hans Anton von Beckendorff und von **Hindenburg**]

[10] The Eastern Front of World War I was brought to an end by this treaty. This treaty was signed by Germany and the Bolsheviks during the Russian Civil War.

ANSWER: Treaty of **Brest-Litovsk** <Cole Phinney>/<ed. JO>

19. This process occurs via neutron capture in the s-process and r-process. For 10 points each:
[10] Name this process from which stars form elements heavier than iron and nickel. This process generally involves protons and neutrons undergoing fusion to form heavier nuclei.

ANSWER: **nucleosynthesis**

[10] The Alpher-Bethe-Gamow paper proposed that a version of nucleosynthesis formed light elements such as lithium in the first few minutes after this event which was the start of the universe.

ANSWER: **Big Bang**

[10] Wilson and Penzias accidentally discovered this pervasive kind of radiation, believed to be the leftovers from the Big Bang.

ANSWER: **Cosmic Microwave Background** Radiation [or **CMBR**] <David Dennis>

20. Answer some questions about toys funded by Kickstarter. For 10 points each:

[10] The Denbighs [*“Denbys”*] started a campaign to fund production for this board game that they invented. The goal of this game is to understand what people are saying with a mouth retractor.

ANSWER: **Watch ‘Ya Mouth**

[10] Antsy Labs introduced an item on Kickstarter and raised more than 6 million dollars. That block-like toy aims to calm users who perform this action a lot, like similar “spinners.”

ANSWER: **Fidgetting** [or **fidget** cubes; or **fidget** spinners]

[10] This toy from 2014 allows users to use alligator clips to turn anything into a touchpad, which interfaces with a computer. It can let you play on a piano made of bananas.

ANSWER: **Makey Makey** <David Dennis>/<ed. SP>/<ed. JO>