

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 3

Tossups

1. **In a novel by this author, a woman steals an umbrella from a struggling insurance clerk at a performance of Beethoven's Fifth Symphony. In that novel by this author, Leonard Bast dies of a heart attack after being shoved into a bookcase by Charles Wilcox. In another novel by this author, Lucy break off her engagement with Cecil (*) Vyse to be with George Emerson. This author of *Howard's End* and *A Room with a View* wrote a novel about Dr. Aziz being accused of sexual assault in the Marabar Caves. For 10 points, name this British author of *A Passage to India*.**

ANSWER: E. M. Forster [or Edward Morgan Forster] <Carrie Derner>/<ed. ME>

2. **Critic Carrie Rickey panned a portrait collection by this artist as "Jewploitation." One series by this artist recolored sections of various Renaissance works such as the apse from the *Brera Madonna*. This artist created a canvas of a blue-skinned Richard Nixon with the caption VOTE (*) McGOVERN. This artist coordinated the *Exploding Plastic Inevitable* event and designed a peelable album cover for *The Velvet Underground and Nico*. For 10 points, name this Pop artist whose "Factory" made paintings of *Campbell's Soup Cans*.**

ANSWER: Andy Warhol [or Andrew Warhola] <David Dennis>/<ed. CW>

3. **Radiative power is inversely proportional to this quantity cubed, times 6-pi-epsilon, according to the Larmor formula. This quantity is in the numerator in the formula for the index of refraction. When a charged particle exceeds this quantity while in a medium, it produces Cherenkov radiation. This (*) quantity is equal to one divided by the square root of the product of the vacuum permittivity and permeability. This quantity is constant in all inertial reference frames. For 10 points, name this value symbolized *c*, that is about 30 million meters per second.**

ANSWER: Speed of Light <David Dennis>/<ed. HB>

4. **Before this battle, one side gained intelligence from two Shashu that falsely reported that the enemy army was in Aleppo. Sheridan and N'earin forces fought for a side in this battle, whose commanders included Paser and Prince Khaemwaset [*"Kha-em-wah-set"*]. Records of this battle were contained at Hattusa, the capital of one belligerent, and it was fought near the (*) Orontes [*"Oh-ron-tes"*] River. After this largest chariot battle in history, the world's oldest surviving peace treaty was signed. For 10 points, name this battle in which Muwatalli II's Hittite army was defeated by the Egyptians under Ramses II.**

ANSWER: Battle of Kadesh [or Battle of Qadesh] <John John Groger>/<ed. JO>

5. **The Collyridian and Sophian movements deified this figure. The nineteenth surah is named after this daughter of Imran. Nestorius was condemned at the Council of Ephesus for refusing to call this figure Theotokos. Pope Pius XII declared this figure's bodily ascendance into (*) Heaven as dogma, and she is the subject of alleged apparitions in Fatima and Guadalupe. The decree *Ineffabilis Deus* [*"In-eff-ah-bil-is Day-oos"*] describes this woman's Immaculate Conception. For 10 points, name this woman who gave birth to Jesus.**

ANSWER: the Virgin Mary [or Marvam; or Theotokos before it is read] <Sophia Johnson>/<ed. AR>

6. **She made her acting debut in the title role of MTV's *Carmen: A Hip Hopera*. With Andre 3000, she covered Amy Winehouse's "Back to Black" for *The Great Gatsby* soundtrack. The Academy did not consider her contribution to the song "Listen" to be significant enough to merit nomination after it was included in the film in which she starred, "Dreamgirls." (*) Kanye West disrupted an acceptance speech by Taylor Swift when this woman was denied a VMA. For 10 points, name this wife of Jay Z, known for such songs as "If I Were a Boy" and "Single Ladies."**

ANSWER: Beyoncé [or Beyonce Giselle Knowles] <Elise Thierbach>/<ed. SP>/<ed. JO>

7. **This city led a coalition against Pope Gregory XI in the War of the Eight Saints, which helped to end the residency of the Popes in Avignon. The Albizzi family came to power in this city after Michele di Lando led a rebellion of wool carders, the Revolt of the Ciompi [*"Chee-om-pi"*]. In this city, the ruler's brother was killed by Bernardo Bandini, a member of the (*) Pazzi [*"Pot-zee"*] conspiracy. An event in this city was where musical instruments and mirrors were burned, and was Girolamo Savonarola's Bonfire of the Vanities. For 10 points, name this city in Tuscany that was ruled by Lorenzo the Magnificent and other members of the Medici family.**

ANSWER: Republic of Florence [or Firenze; or Florentia; or Florentine Republic] <John John Groger>/<ed. JO>

8. **Asymmetric catalysis is used to favor reaction products with a specific type of this property over another. Molecules with this relationship can be differentiated in a process known as kinetic resolution. This property was first discovered by Louis Pasteur with his experiments on tartaric acid when he saw differences in the (*) rotation of plane-polarized light. Compounds with this property can be called R or S, and L- and D- glucose share this relationship. For 10 points, name this property that denotes molecules that are non-superimposable mirror images of each other.**

ANSWER: chirality [or enantiomers; or optical isomers; prompt on isomer] <Joe Stitz>/<ed. AR>

9. **The national public radio service in this country has had a ban on harmonium music in some form since 1940. In this country, a solfege-like system is written *S, R, G, M, P, D, N*. This country's music has up to 32 modes, which are associated with certain times of day and emotions. The classical music of this country features meters called *tala*, that are played according to melodies called (*) *ragas*. This country's classical music can be divided into Carnatic and Hindustani traditions. The tanpura, tabla drum and sitar are common to musical ensembles in, for 10 points, what country, the home of Ravi Shankar?**

ANSWER: **India** <David Dennis>

10. **The speaker of this poem claims he “gave commands then all smiles stopped” after describing his choice “never to stoop.” This poem ends with a description of a bronze statue by Claus of Innsbruck, depicting Neptune riding a seahorse. The narrator of this poem disapproves of the title character's (*) joy from gifts of a “white mule” and a “bough of cherries.” In this poem, the subject of a portrait by Fra Pandolf has a heart “too soon made glad.” For 10 points, name this poem, narrated by the Duke of Ferrara, written by Robert Browning.**

ANSWER: **“My Last Duchess”** <William Groger>/<ed. ME>

11. **In this state, an unfinished railroad channel called the Stumphouse Tunnel was used by a local university to age blue cheese. This state has the highest per capita membership of the Bahá'í faith in the United States, and in the year 2000, a ban on interracial dating by its students was dropped at Bob Jones University. The *Queen Anne's Revenge* blocked a port in this modern-day state at the request of (*) Blackbeard. The largest city in this state was where Major Robert Anderson surrendered Fort Sumter, beginning the Civil War. For 10 points, name this state with cities Greenville and Charleston, with capital at Columbia.**

ANSWER: **South Carolina** <David Dennis>/<ed. JO>

12. **In one story, this deity promised a pair of wings to the son of Doris and Nereus, but ultimately gave a shell to Nerites [*“Ne-ree-teez”*]. According to Diodorus, the Sicilian son of this deity and Boutes lost his land in a wrestling match for the cattle of Geryon and was named Eryx. Ants assisted the daughter-in-law of this deity in a task this deity assigned to her, and this deity later told that same relative to obtain a casket containing the gift of beauty from (*) Persephone [*“Per-sef-o-nee”*]. This deity caused the Trojan War over a golden apple, and was caught in a golden net by her husband while she was with Ares. For 10 points, name this wife of Hephaestus [*Hef-ess-tuss”*], the Greek goddess of love.**

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

13. **This poet describes a “soul more white / never through fire of martyrdom was led / to its repose” in a sonnet he wrote after his wife's death. An epic poem by this author is named after an Acadian woman and begins “This is the forest primeval.” This author of “The (*) Cross of Snow” and *Evangeline* wrote about a character who grows up “by the shores of Gitchee Gumee” and marries Minniehaha. For 10 points, name this American poet of *The Song of Hiawatha* and “Paul Revere's Ride.”**

ANSWER: Henry Wadsworth **Longfellow** <Carrie Derner>/<ed. ME>

14. For the 1890 census, a battery-driven apparatus for this operation was created by Hollerith using spring-actuated pins, pools of mercury, and a 26-chambered box. That machine's logic supplied the basis for the radix type of this operation. Merritt's inverted taxonomy of these operations are classified by the quality of their splits and joins. Versions of these operations classified by (*) Knuth as exchange-based have a worst-case runtime of Big O of n^2 and include Bubble. For 10 points, name these algorithms, like merge, and quick, that places the items of a list in order.

ANSWER: Sorting algorithms [or mergesort; or quicksort] <David Dennis>

15. During this event, 150 Wintu Native Americans were killed in the Bridge Gulch Massacre. The location of this event was the land where the former Swiss colony of New Helvetia was located. This event came to the attention of the public after the publisher of *The Star*, Samuel Brannon, ran through the street yelling about a discovery made by James (*) Marshall. During this event, German immigrant Levi Strauss began selling blue jeans near John Sutter's mill. For 10 points, name this event, where "forty-niners" attempted to find a precious metal in a western state.

ANSWER: California Gold Rush [or the Gold Rush of 1849 until "forty-niners" is mentioned; or any answer that indicates gold was discovered in California; prompt on Gold Rush] <William Groger>/<ed. JO>

16. One of the only existing records of this man's voyages are the journals of Robert Juet. This man discovered the Hold-with-Hope peninsula in Greenland while commanding the *Hopewell* for the Muscovy Company. During one voyage, this man's crew became stranded over the winter in James Bay. A river that this man, who attempted to find the Northwest Passage, called the North River was actually discovered 80 years earlier by Giovanni da Verrazzano. After a (*) mutiny on his Dutch ship, the *Half Moon*, he was marooned in a body of water that now bears his name. For 10 points, name this English explorer who names a New York river and a large Canadian bay.

ANSWER: Henry Hudson <John John Groger>/<ed. JO>

17. In this organelle, calnexin and calreticulin [*cal-re-tic-u-lin*] help with the process of N-linked glycosylation [*gly-co-sy-lay-tion*]. This organelle is the site of enzymes such as protein disulfide isomerase, which help proteins fold properly. Ryanodine [*ry-an-oh-dyne*] receptors mediate the release of calcium ions from this organelle, an essential step in muscle contraction. Vesicles coated with COPII [*Cop-Two*] move from this organelle to the (*) Golgi apparatus. This organelle can be classified based on whether or not its surface is associated with ribosomes. For 10 points, name this organelle whose "smooth" and "rough" types can be contiguous with the nuclear envelope.

ANSWER: Endoplasmic Reticulum [or ER; or sarcoplasmic reticulum; or smooth endoplasmic reticulum; or rough endoplasmic reticulum] <David Dennis>/<ed. AR>

18. **This economist invented the technique used in quality control called sequential sampling. Leonard Savage and this economist name a utility function whose curvature changes with individual wealth. This economist argued for the abolition of medical licenses and the institution of a (*) negative income tax. John Maynard Keynes's consumption function provided the basis for this economist's permanent income hypothesis. For 10 points, name this monetarist author of *A Monetary History of the United States* who was a Chicago School economist.**

ANSWER: Milton Friedman <Sophia Johnson>/<ed. HB>

19. **After a dispute regarding Diaochan in this work, Dong Zhuo is killed by his foster son, Lu Bu. In this novel, the "Ten Attendants" are a group of eunuchs who kill He Jin, a man that earlier helped to suppress the Yellow Turban Rebellion. In this novel, three characters pledge their loyalty to the (*) Han dynasty in the "Oath of the Peach Garden." Sun Quan helps Liu Bei defeat Cao Cao at the Battle of Red Cliffs in, for 10 points, what classical Chinese novel by Luo Guanzhong about conflict between the states of Wei, Shu, and Wu?**

ANSWER: *Romance of the Three Kingdoms* [or *San Guo Yan Yi*] <William Groger>/<ed. ME>

20. **In a 2012 debate, this politician stated that his "neighbor's dogs have created more shovel-ready jobs than this administration." This politician was referred to as "Puff Daddy" by Clinton drug czar Barry McCaffrey for his endorsement of marijuana legalization. This man initially failed to answer a Chris Matthews question about his "favorite (*) foreign leader," and in a previous gaffe, he answered a question about Syria with "what is Aleppo?" For 10 points, name this former New Mexico governor, who ran with Bill Weld in the 2016 Presidential election as the Libertarian candidate.**

ANSWER: Gary Johnson [or Gary Earl Johnson] <David Dennis>

Bonuses

1. One chapter of this sect's Lotus Sutra describes a stupa made of seven jewels rising from the ground. For 10 points each:

[10] Name this Buddhist tradition, that includes Pure Land and Zen branches. It is the largest sect of Buddhism, other than Theravada.

ANSWER: **Mahāyāna** Buddhism

[10] Mahayana Buddhism emphasizes many paths that lead to a goal known as one of these things, Ekayana. In Sanskrit, "Mahayana" literally means the "great" one of these things.

ANSWER: **vehicles**

[10] Chapter 15 of the Lotus Sutra describes millions of these people emerging from a split in the Earth. This term refers to people who practice the Six Perfections and wish to lead others to enlightenment.

ANSWER: **Bodhisattva** <Sophia Johnson>/<ed. AR>

2. King John III appointed this man as the Viceroy of India in 1524. For 10 points each:

[10] Name this man who improved on the work of Bartolomeu Dias and sailed around the Cape of Good Hope to India.

ANSWER: Vasco **da Gama**

[10] John III was a ruler of this country. This country was a leader during the Age of Exploration, due to the patronage of Prince Henry the Navigator.

ANSWER: **Portugal** [or the Kingdom of **Portugal**; or the Kingdom of **Portugal** and the Algarves; or the United Kingdom of **Portugal**, Brazil and the Algarves]

[10] Prince Henry the Navigator was a member of this royal house of Portugal. This royal house founded by John I included the cadet House of Braganza.

ANSWER: House of **Aviz** [or House of **Aviz**-Beja] <Cole Phinney>/<ed. JO>

3. This deity was born from the left eye of Izanagi. For 10 points each:

[10] Name this solar deity, who temporarily shrouded the world in darkness when she hid in the cave Ama-no-Iwato.

ANSWER: **Amaterasu**-omikami [or **Ōhirume-no-muchi-no-kami**]

[10] The first emperor of this country, Jimmu, was allegedly a descendant of Amaterasu. This country's myth system includes stories of Amaterasu and other kami.

ANSWER: **Japan** [or **Nihon**; or **Nippon**]

[10] Amaterasu gave Jimmu's great-grandfather the Kusanagi blade, a weapon this kami of storms originally found after slaying the eight-headed Yamato-no-Orochi.

ANSWER: **Susanoo** [or **Susanowo**; or **Susanoo No Mikoto**] <Sophia Johnson>/<ed. JO>

4. Roy Hobbs, a player of this sport, attempts to revive his career after being shot by Harriet Bird in Bernard Malamud's *The Natural*. For 10 points each.

[10] Name this sport. In Ernest Hemingway's *The Old Man and the Sea*, Santiago describes the feats of "the great DiMaggio," another player of this sport.

ANSWER: **baseball** [or a **baseball** player]

[10] In this play by August Wilson, Troy Maxson describes his affair with Alberta as "trying to steal second."

ANSWER: **Fences**

[10] Perhaps the most famous ballplayer in American literature is this title character of an Ernest Thayer poem. This man strikes out in the last inning to lose a game for the Mudville Nine.

ANSWER: **Casey** [or "**Casey at the Bat**"] <Tyler Benedict>/<ed. ME>/<ed. JO>

5. This man's hunt for comets in the late 1700's led him to create a list of objects that were commonly mistaken for comets. For 10 points each

[10] Name this French astronomer who created a namesake catalogue, which now contains 110 objects such as the Eagle and Lagoon nebulas.

ANSWER: Charles **Messier**

[10] The creation of this Messier object designated M1, was observed by Chinese astronomers in 1054. It is located in the constellation Taurus.

ANSWER: **Crab Nebula** [or **NGC 1952**]

[10] This Messier object in the constellation Virgo wasn't added to the catalogue until 1921. Its similar appearance to a type of hat is due to its large central bulge.

ANSWER: **Sombrero Galaxy** [or **M104**; or **NGC 4594**] <Matthew Dew>

6. This film concludes with a shot of a half-buried Statue of Liberty, after which the protagonist exclaims, "You blew it up!" For 10 points each:

[10] In what film does the astronaut George Taylor encounter the mute Nova in a world dominated by the title creatures?

ANSWER: **Planet of the Apes**

[10] George Taylor is portrayed by this actor, who also played Moses in *The Ten Commandments*.

ANSWER: Charlton **Heston** [or John Charles **Carter**]

[10] This Orangutan Minister of Science is the chief antagonist of *Planet of the Apes*.

Throughout the film, he tries to conceal the fact that apes were once inferior to humans.

ANSWER: Dr. **Zaius** <William Groger>/<ed. SP>/<ed. JO>

7. This poem begins "Sunset and evening star, and one clear call for me!" For 10 points each.

[10] Identify this poem about death and a speaker who hopes to "see [his] Pilot face to face."

ANSWER: "**Crossing the Bar**"

[10] This poem by the author of "Crossing the Bar" describes the title group's ride into the "valley of Death" during the battle of Balaclava.

ANSWER: "**Charge of the Light Brigade**"

[10] This poet wrote both "Crossing the Bar" and "Charge of the Light Brigade."

ANSWER: Alfred Lord **Tennyson** <William Groger>/<ed. ME>

8. Titian's last painting is of this scene, and the sculptor of the Florentine version of this scene attempted to destroy it after eight years' worth of work on it. For 10 points each:

[10] Name this artistic subject, where Mary weeps over the body of the crucified Christ.

ANSWER: **Pieta**

[10] This sculptor left the Rondanini version of the *Pieta* unfinished at his death. This painter of the Sistine Chapel ceiling is believed to be the model for Nicodemus in the Florentine version.

ANSWER: **Michelangelo** [or Michelangelo di Lodovico **Buonarroti** Simoni]

[10] Michelangelo's most famous version of the *Pieta* is located in this central basilica in Vatican City. Michelangelo designed the dome for this church, but died before its completion.

ANSWER: **St. Peter's** Basilica <David Dennis>/<ed. CW>

9. This king created a code of laws which incorporated Mosaic Code and Christian ethics, known as the Doom Book. For 10 points each:

[10] Name this 9th century king, who ruled Wessex. He defeated the Great Heathen Army that was led by Guthrum, and he is the only English king with the epithet "The Great."

ANSWER: **Alfred** the Great

[10] An "elder" king with this name was the son of Alfred the Great. This was the name of the "Black Prince," who led the English army at Crecy.

ANSWER: **Edward** [or **Edward** the Elder; or **Edward** the Black Prince]

[10] Ivar the Boneless conquered this city, which then became the center of the Danelaw. This city was the birthplace of the scholar Alcuin, who was the head of the palace school at Aachen.

ANSWER: **York** <Cole Phinney>/<ed. JO>

10. Structures in this theory include bent, tetrahedral, and T-shaped. For 10 points each:

[10] Name this method for predicting the shape of a molecule. It was developed by Gillespie and Nyholm.

ANSWER: **VSEPR** [*"vesper"*] Theory [or **Valence Shell Electron Pair Repulsion** Theory]

[10] In VSEPR theory, molecules are characterized by this number, which is the sum of attached atoms and lone pairs on the central atom.

ANSWER: **steric** number [or **SN**]

[10] When the steric number is this value, a molecule takes on a tetrahedral geometry. For example, methane is tetrahedral because its carbon bonds to this many atoms.

ANSWER: **4** [or **four**] <David Dennis>/<ed. AR>

11. In the 5th work in this song cycle, triplets in the piano's right hand portray the rustling of the wind through the title "Linden Tree." For 10 points each:

[10] Name this song cycle, the second such collection by Schubert and Muller. Unlike *Die Schone Mullerin*, this song cycle does not tell a narrative.

ANSWER: **Winterreise** [or **Winter Journey**]

[10] This composer's Symphony #1 in G minor is subtitled "Winter Daydreams." He also composed *Eugene Onegin*.

ANSWER: Pyotr Ilyich **Tchaikovsky**

[10] "Winter," or "L'Inverno," is the conclusion of this Italian Baroque Composer's *The Four Seasons*.

ANSWER: Antonio **Vivaldi** [or Antonio Lucio **Vivaldi**] <David Dennis>

12. During the late 19th century, the Matadi-Kinshasa Railway was built in this colony. For 10 points each:

[10] Name this personal colony, which was the original state policed by the Leon Rom-led Force Publique.

ANSWER: **Congo Free State** [prompt on Congo; do NOT accept or prompt on “The Belgian Congo” or “The Democratic Republic of the Congo”]

[10] This Welsh explorer was contracted to explore the Congo Free State by Leopold II. This man quipped “Dr. Livingston, I presume,” after finding him in the center of Africa.

ANSWER: Sir Henry Morton **Stanley** [or John **Rowlands**]

[10] The Casement Report revealed that workers who failed to meet their quotas of this good had their hands cut off by Force Publique officials.

ANSWER: **Rubber** [or natural **rubber**; or India **rubber**; or **Latex**] <Cole Phinney>/<ed. JO>

13. In this novel, the lovers Emil and Marie begin an affair under a mulberry tree, and are later shot dead by the jilted husband. For 10 points each.

[10] Name this novel about Alexandra Bergson, who marries her childhood love, Carl Linstrum.

ANSWER: ***O Pioneers!***

[10] *O Pioneers!* was written by this Nebraskan author, who used her homeland as a setting for her novel *My Antonia*.

ANSWER: Willa **Cather** [or Wilella Sibert **Cather**]

[10] This Cather novel is the second installment in the Great Plains trilogy. It follows Thea Kronberg as she travels to perfect her opera career.

ANSWER: *The **Song of the Lark*** <Marcy Lampe>/<ed. ME>

14. The Barkhausen Effect is a clicking noise produced by materials exhibiting this phenomenon that is displayed by Heusler alloys. For 10 points each:

[10] Name this property present in cobalt, as well as another metal whose formula is Fe.

ANSWER: **ferromagnetism**

[10] Ferromagnetism and antiferromagnetism are described by this model, which involves a lattice of atoms' spins. The Potts model is a generalization of it.

ANSWER: **Ising** model

[10] A material's ferromagnetism no longer appears above this temperature, named for a man who also discovered piezoelectricity and worked with his wife, Marie Sklodowska [*“Sklo-dow-ska”*].

ANSWER: **Curie** temperature <John John Groger>/<ed. HB>

15. Answer the following about the career of Frank Lloyd Wright. For 10 points each:

[10] Louis Sullivan, Frank Lloyd Wright's mentor, designed the Transportation Building for the 1893 World's Fair in this Midwestern city. This city is the home of Anish Kapoor's *Cloud Gate*.

ANSWER: **Chicago**, Illinois

[10] Wright designed this cylindrical art museum in New York City. This museum has a sister museum in Bilbao.

ANSWER: **Guggenheim** [or Solomon R. **Guggenheim** Museum; do NOT accept or prompt on "Guggenheim Bilbao"]

[10] Wright worked from his Wisconsin studio with this name. In 1937, Wright created its Western counterpart in Scottsdale, Arizona.

ANSWER: **Taliesin** [or **Taliesin** East; or **Taliesin** Spring Green; or **Taliesin** West] <Cole Phinney>/<ed. JO>

16. For 10 points each, answer these questions about pragmatism:

[10] This American pragmatist defended theism in *The Will to Believe* and later contrasted tough-minded and tender-minded people in his 1907 work *Pragmatism*.

ANSWER: William **James**

[10] In *Pragmatism*, James describes an argument involving a man chasing this creature around a tree.

ANSWER: **squirrel**

[10] Neo-pragmatist Richard Rorty argues that the mind doesn't serve as one of these things for objects in nature. These reflective surfaces are often used in self-awareness studies.

ANSWER: **mirrors** [or *Philosophy and the Mirror of Nature*] <Sophia Johnson>/<ed. HB>

17. This character is told he lives in the "best of all possible worlds." For 10 points each.

[10] Name this student of Dr. Pangloss and lover of Cunégonde [*"Cu-nay-gond"*], the title character of a novel by Voltaire.

ANSWER: **Candide**, *ou l'Optimisme* [or *All for the Best; the Optimist; Optimism* for subtitle translations]

[10] Candide and the valet Cacambo find themselves in this utopian village, which is filled with precious stones and rumored to be in South America.

ANSWER: **El Dorado**

[10] Candide is taken in by this character after his banishment from Thunder-ten-tronckh. This pessimist accompanies Candide to Lisbon, but drowns while trying to save a sailor's life.

ANSWER: **Jacques** the Anabaptist <Carrie Derner>/<ed. ME>/<ed. JO>

18. If the endocrine system were to have a king, this would be it. For 10 points each:
[10] Name this "master" gland of the endocrine system, which is about the size of a pea and located beneath the hypothalamus.

ANSWER: **pituitary** gland [or **hypophysis**]

[10] In humans, the pituitary gland is divided into these two major sections, which each secrete distinct hormones. They are named after the Latin for "before" and "after".

ANSWER: **anterior** and **posterior** [both answers required]

[10] The posterior pituitary gland secretes this hormone, which functions to increase reabsorption of water in the kidneys. Lack of this hormone leads to diabetes insipidus, leading to large volumes of dilute urine.

ANSWER: **vasopressin** [or **ADH**; or **anti-diuretic hormone**] <David Dennis>/<ed. AR>

19. The federal government's difficulties raising troops to put down Shays' Rebellion help to motivate the reform of this document. For 10 points each:

[10] Name this document, that served as the first constitution of the United States. This document denied Congress the power of taxation and trade regulation.

ANSWER: **Articles of Confederation** and Perpetual Union

[10] In 1787, the Confederation Congress passed this act, which established the first organized territory of the United States and created the process of admitting new states.

ANSWER: **Northwest Ordinance**

[10] This convention was called to revise the Articles of Confederation, but the five state delegations present resolved to have a constitutional convention in Philadelphia.

ANSWER: **Annapolis** Convention <Cole Phinney>/<ed. JO>

20. Humans sometimes live in very cold climates. For 10 points each, name some things about these chilly places.

[10] The Global Seed Vault is located in this arctic sea archipelago. The largest settlement on this archipelago is Longyearbyen.

ANSWER: **Svalbard**

[10] Svalbard is a territory owned by this Scandinavian country, with capital at Oslo.

ANSWER: **Norway** [or **Norge**; or Kingdom of **Norway**; or Kongeriket **Norge**]

[10] This Russian city, located at the head of the Golden Horn Bay, is the largest Pacific Ocean port in Russia, and the final stop for the Trans-Siberian railway.

ANSWER: **Vladivostok** <Jonathan Amlong>/<ed. DD>