

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 7

Tossups

1. **During this battle, the commander of Lauzun's Legion unhorsed cavalry commander Banastre Tarleton. Charles O'Hara presented the sword of the losing commander at this battle to the winner, who gave it to Benjamin Lincoln. Reinforcements for this battle led by Thomas (*) Graves were blocked by the Comte de Grasse from entering the Chesapeake Bay. Land support at this battle was given by the Comte de Rochambeau [*"Roh-sham-bo"*] and the Marquis de Lafayette. For 10 points, name this battle in which General Cornwallis surrendered to George Washington, ending the American Revolution.**

ANSWER: Battle of Yorktown [or Siege of Yorktown] <Cole Phinney>/<ed. JO>

2. **Little and Parks showed that a large fraction of electrons in these materials behave essentially as a single quantum particle, and a current flowing through two of them forms a Josephson junction. Based on the strength of their critical fields, they can be classified into Type I and Type II. The (*) BCS theory posits that they are formed by the condensation of electrons below the Fermi energy into Cooper pairs. These materials are natural diamagnets, as they eject a magnetic field in the Meissner effect. For 10 points, name these materials which have zero electrical resistance.**

ANSWER: Superconductors <David Dennis>/<ed. HB>

3. **The mixolydian [*"mix-oh-lydian"*] modal scale built on this note consists of only the white keys. Charlie Parker's *Ornithology* is in this note's major key. An open tuning built on this note for the guitar is made by lowering the tuning of the two lowest strings and the highest string down one whole step. Poulenc's *Gloria* and *Schubert's Mass #2* are in this note's major key, and Mozart wrote both a "Little" and (*) "Great" symphony in this note's minor key. This note is *So* in the [*emphasize*] *Fixed Do* solfege system. For 10 points, name this note, the tonic of the relative minor to B-flat major, whose own major key signature consists of one sharp.**

ANSWER: G <David Dennis>

4. **The Lasagongma [“Lah-sah-gong-mah”] spring and Bayan Har Mountains in this country are sources of major rivers, and a salt lake in its Kumtag Desert is called Lop Nur. This nation has a tiny western border with one nation’s Wakhan [“Wah-kahn”] Corridor, which is in the Pamir Mountains. It contains the cities of Kashgar and (*) Harbin, and it disputes Aksai Chin with a southern neighbor. An annual tidal bore called the Silver Dragon occurs in this nation’s Hangzhou Bay. For 10 points, name this country that contains the Grand Canal, as well as cities like Shenzhen and Nanjing.**

ANSWER: People’s Republic of China [or Chung-hua Jen-min Kung-ho-kuo; or Zhonghua Renmin Gongheguo] <John John Groger>/<ed. DD>

5. **In this work, a maid mocks Monsieur Loyal’s false loyalty. That maid, Dorine, despises Laurent [Loh-rah]’s employer. The title character of this work takes a box of incriminating letters that were left by Argas [“Ar-gah”]. After Damis [“Dah-mee”] catches the title character of this work trying to seduce (*) Elmire, that title character claims to be a guilty man. At the end of this play, Orgon and his family are saved from eviction after Louis XIV orders the title character’s arrest. For 10 points, name this work about the title religious hypocrite, a play by Moliere.**

ANSWER: Tartuffe [or The Imposter; or The Hypocrite before “hypocrite” is read] <William Groger>/<ed. ME>

6. **According to the rule of Ablaut reduplication, a “high” one of these constructs must come before “low” one. R-controlled versions of these constructs can be produced by the the bunched or the the tip-up methods. These constructs experience palatal harmony in Altaic and Uralic (*) languages. Voiceless versions of these objects occur in Japanese. Gliding examples of these sounds are known as diphthongs. For 10 points, name these sounds that underwent a “great shift” in English, and are produced with an open vocal tract, contrasted with consonants.**

ANSWER: Vowels <David Dennis>/<ed. HB>

7. **The blood of one member of this phylum contains LAL, which is used to test if injectable therapeutics are safe for human use. Many species in this phylum have compound eyes that can be made of thousands of ommatidia [“oh-mah-tid-ee-ah”]. Members of this phylum have a cuticle that is the primary component of their (*) chitin-based exoskeleton. Thomas Hunt Morgan kept members of one species in this phylum in small jars, initiating its importance as a model organism in developmental biology. For 10 points, name this largest animal phylum that includes crabs, scorpions and fruit flies.**

ANSWER: Arthropoda [or arthropods] <David Dennis>/<ed. AR>

8. This company awarded a Uruguayan teenager \$10,000 after accessing an employee-only portal that was named after a museum of modern art. A critic of this company cited John Tierney's "The Real War on Science," concerning leftist denial of gender differences in IQ scores. Margrethe Vestager accused this company of abusing its market dominance in levying a 2.7 billion Euro (*) fine in July 2017. The August release of an internal memo about this company's "Ideological Echo Chamber" led it to fire engineer James Damore. For 10 points, name this constituent company of Alphabet, known for its search engine.

ANSWER: Google <David Dennis>

9. In one novel, this character helps Captain Duncan Middleton rescue his wife Inez. This character uses chess pieces as ransom for the illegitimate daughters of Thomas Hutter. In another novel he appears in, Alice and Cora, the Munro daughters, are kidnapped on the way to Fort William Henry, and later rescued by this character with the help of (*) Uncas. This character and Chingachgook attempt to ease tensions between Hurons and Mohicans. For 10 points, name this hero of *The Leatherstocking Tales*, created by James Fenimore Cooper.

ANSWER: Natty Bumppo [or Natty Bumppo; or Deerslayer; or Hawkeye; or La Longue Carabine; or Pathfinder; or Leatherstocking before it is read] <Carrie Derner>/<ed. ME>/<ed. JO>

10. During this man's reign, the cossack Yermak won the Battle of Kalshiq, helping conquer Siberia for the Stroganovs. His suspicion of Archbishop Pimen during a war against a coalition including the Polish-Lithuanian Commonwealth led to a massacre at Novgorod. This loser of the Livonian War used a secret police force called the (*) Oprichniki [*"oh-prich-nee-kee"*] and convened the first Zemskii Sobor. This ruler ordered the construction of a church with nine onion-domed towers. This ruler ordered the building of St. Basil's Cathedral, and the death of his son Feodor I sparked the Time of Troubles. For 10 points, name this Tsar of Russia whose epithet reflects his cruelty.

ANSWER: Ivan the Terrible [or Ivan IV Vasilyevich; or Ivan Grozny; or Ivan the Awesome; prompt on Ivan] <John John Groger>/<ed. JO>

11. Young men in this city were sent out with only a knife to patrol the countryside in search of revolts and misdeeds as the *Krypteia* [*"krip-tay-ah"*] secret police. Epaminondas [*"Ep-ah-min-on-das"*] used an overloaded left side, where he placed the Sacred Band, to outflank and crush this city at the Battle of Leuctra. The name of this city comes from the wife of its mythical founder, Lacedaemon. (*) 300 soldiers from this city defended a coastal pass while led by King Leonidas during Xerxes' invasion of Greece. Free men in this city-state underwent the harsh *agoge* educational system. For 10 points, name this Greek city-state that lost at Thermopylae, but defeated Athens in the Peloponnesian War.

ANSWER: Sparta [or Lacedaemon before "Lacedaemon" is read; or Nea Spartii] <David Dennis>/<ed. JO>

12. **Members of this faith have had to abandon one of their traditional practices due to the drug Diclofenac, which caused a vulture extinction crisis. In the Navjote ceremony, members of this faith tie a girdle made of 72 threads around their waists, known as the kushti. Members of this religion living in India are known as (*) Parsees.** Holy texts in this religion include the Gathas and the Avesta. Members of this faith historically left their dead on Towers of Silence, and they worship in Fire Temples. For 10 points, name this Persian religion that reveres the creator god, Ahura Mazda.

ANSWER: Zoroastrianism [or Zarathustrism; or Mazdaism; or Magianism; or Parsiism] <Ashwin Ramaswami>

13. **A common one of these objects in ecology can find the number of females in a species' population after n years and is named after Leslie. Mueller calculus uses these objects to manipulate Stokes vectors in order to describe the polarization of light. Multiplication is not commutative in these (*) objects.** These objects can be put into reduced row echelon form through Gaussian elimination. The identity version of these objects has ones along the main diagonal and zero everywhere else. For 10 points, name these rectangular arrays of numbers for which a determinant can be calculated.

ANSWER: Matrix [or Matrices] <David Dennis>/<ed. HB>

14. **In one poem, this author stated “In the sea of life” “we mortal millions live alone,” and notes “How changed is here each spot man makes or fills!” in an elegy for Arthur Clough. This poet of “To Marguerite” and “Thyrsis” described an “eternal note of sadness” that (*) “Sophocles long ago” “heard on the Aegean,” in a poem that begins “The sea is calm tonight.”** For 10 points, name this British poet, who described a place where “ignorant armies clash by night,” in “Dover Beach.”

ANSWER: Matthew Arnold <Carrie Derner>/<ed. ME>

15. **A shield at this location prevents entry at sub-light speeds. This place's first use is directed at five sites in the Hosnian System. A character claims to be a radar technician named Matt in an SNL skit set at this location. A speech given by one character here describes “a regime that acquiesces to disorder;” that man is Armitage (*) Hux.** The destruction of the thermal oscillator at this location by Poe Dameron causes a chain reaction that leads to its destruction. A duel takes place at this location between Rey and Kylo Ren. For 10 points, name this weaponized planet, the base of the First Order in *Star Wars: The Force Awakens*.

ANSWER: Starkiller Base <William Groger & John John Groger>/<ed. SP>/<ed. JO>

16. **The words “KILL LIES ALL” were spray painted onto this painting, in response to the My Lai Massacre. At the bottom of this painting, an arm can be seen holding a broken sword with a flower above it. Marrero and Larrea debated which image in this painting represented the people of the artist's home country, the (*) horse or the bull.** At the top of this painting, an outstretched arm holds a candle and a light fixture is in the shape of an eye. For 10 points, name this painting by Pablo Picasso, depicting the 1937 bombing of a Basque town.

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

17. **With Oliver Tambo, this man opened the first black-run legal practice in his country. This leader hid from the government while disguised as a cook and a farm worker at Liliesleaf Farm. This man called a democratic and free society “an ideal for which I am prepared to die” while he was a co-defendant in the (*) Rivonia Trial. This leader received a life sentence that was to be served on Robben Island. This leader of the ANC opened the Truth and Reconciliation Commission after being released from prison by F.W. de Klerk. For 10 points, name this first post-Apartheid president of South Africa.**

ANSWER: Nelson Mandela [or Madiba Mandela; or Nelson Rolihlahla Mandela] <Jacob O'Rourke>

18. **This poem's speaker is “now thirty-seven years old in perfect health” and notes “You shall possess the good of the earth and the sun.” This poem's speaker asks “what is the grass?” before noticing a woman become the twenty ninth bather in a pool of twenty-eight male bathers. This poem's second stanza opens “I loafe and invite my soul” and its speaker sounds his (*) “barbaric yawp over the roof of the world.” The speaker of this poem claims “every atom belonging to me as good as belongs to you,” and that he “contains multitudes” For 10 points, name this poem, which opens “I celebrate myself,” by Walt Whitman.**

ANSWER: “Song of Myself” <Joe Stitz>/<ed. ME>

19. **Seeing this fate befall a snake after devouring eight sparrow babies and their mother was interpreted to predict the fall of Troy by Calchas. An animal sent by the husband of Procris met this fate to prevent a paradox. When she boasted about her children to the Titan Leto, this fate befell a woman after show saw their death at the hands of (*) Apollo and Artemis. Phineas met this fate after being shown an item that Polydectes had ordered Perseus to obtain. For 10 points, name this fate that befell Laelaps, Niobe, and anyone who looked directly in the eyes of Medusa.**

ANSWER: Turning to Stone [or Petrification] <Cole Phinney>/<ed. DD>/<ed. JO>

20. **According to Mayer's relation, a constant named for these substances is equal to the difference between the specific heat for constant pressure and that for constant volume. Entropy usually increases when particles in this phase of matter are dissolved in a solvent. The compressibility factor, or Z, describes deviations of these substances from being (*) ideal. Pressure is inversely proportional to volume in these substances, according to Boyle's Law. Another equation describing these substances states that PV equals nRT. For 10 points, name this phase of matter that makes up the atmosphere.**

ANSWER: gases [or ideal gases before “ideal” is read] <Max Mader>/<ed. AR>

Bonuses

1. This man published “Defender of the Constitution” and created the Cult of the Supreme Being. For 10 points each:

[10] Name this rival of Georges Danton, who led the Reign of Terror during the French Revolution.

ANSWER: Maximilien **Robespierre** [or Maximilien François Marie Isidore de **Robespierre**]

[10] Robespierre was the head of this body, which carried out the September Massacres and executed thousands by the guillotine.

ANSWER: **Committee of Public Safety** [or **Comité de salut publique**]

[10] Robespierre was a member of this radical faction, which grew out of The Mountain and opposed the Girondins [“*Jee-ron-dins*”].

ANSWER: Society of the **Jacobins** [or Society of the **Friends of the Constitution**; or **Friends of Freedom and Equality**; or the **Jacobin Club**] <John John Groger>/<ed. JO>

2. This story’s protagonist is knocked into a ditch by a black dog. For 10 points each.

[10] Name this short story about Phoenix Jackson, who travels down the title road to get medicine for her grandson.

ANSWER: “A **Worn Path**”

[10] This Southern Gothic author of “A Worn Path” wrote about Laurel Hand and Fay McKelva in *The Optimist’s Daughter*.

ANSWER: Eudora **Welty** [or Eudora Alice **Welty**]

[10] This other Southern Gothic author wrote about the Grandmother and her family dying at the hands of The Misfit in “A Good Man is Hard to Find.”

ANSWER: Flannery **O’Connor** [or Mary Flannery **O’Connor**] <Carrie Derner>/<ed. ME>

3. This religious group includes the Capuchins and Minorites. For 10 points each:

[10] Name this set of Catholic orders. This group's namesake and founder, who was from Assisi, lived a life of poverty and allegedly pacified a wolf.

ANSWER: **Franciscans** [or the **Seraphic Order**]

[10] Thomas Aquinas and Albertus Magnus were both members of this group currently headed by Bruno Cadoré. Members of this order are known as Jacobins in France.

ANSWER: the **Dominican** Order [or Order of **Preachers**]

[10] Another prominent order, the Society of Jesus, was founded by this Spanish priest. This saint collected contemplations and prayers in his *Spiritual Exercises*.

ANSWER: Saint **Ignatius** of Loyola <Sophia Johnson>/<ed. AR>

4. India is expected to complete an experimental fast breeder nuclear reactor using this element by the end of 2017. For 10 points each:

[10] Name this weakly radioactive, silvery metal. This element's dioxide was formerly added to glass during manufacture to increase the refractive index for use in high-quality camera lenses.

ANSWER: **thorium** [or **Th**]

[10] Thorium belongs to this group of elements. This group is located on the f-block, below the lanthanides in the periodic table.

ANSWER: **actinides**

[10] The only naturally found actinides are thorium and this other element. This element is found in yellowcake, and it is separated into its 235 and 238 isotopes through gas centrifugation.

ANSWER: **uranium** [or **U**] <David Dennis>/<ed. AR>

5. For 10 points each, name some things about artworks that appear to not make sense.

[10] In this painting, a brown pipe with a tan background floats above words that translate to "This is not a Pipe" The artist argued that the caption is true because it is simply a painting of a pipe and not the actual object of a pipe.

ANSWER: The **Treachery of Images** [or *La trahison des images*; or *The Treason of Images*; or *The Wind and the Song*]

[10] This surrealist artist of *The Treachery of Images* also painted men with bowler hats floating in the air in *Golconda*.

ANSWER: René **Magritte** [or Rene Francois Ghislain **Magritte**]

[10] This other painting by Magritte features a man looking into a mirror, only to see the back of his head reflected, rather than his face.

ANSWER: **Not to be Reproduced** [or *La reproduction interdite*] <Jonathan Amlong>/<ed. CW>

6. By their use of discarded shells, hermit crabs and various gastropods display a form of this relationship called metabiosis. For 10 points each:

[10] Name this kind of relationship between two organisms where one organism benefits while the other is unharmed.

ANSWER: **commensalism** [prompt, but do not otherwise reveal, sybiosis]

[10] Commensalism, like parasitism and mutualism, is a form of this general interaction that exists between two species in which at least one benefits.

ANSWER: **sybiosis**

[10] A form of commensalism involves this kind of rootless plant, which grows upon another plant or object for physical support. Examples of these non-parasitic plants include orchids and mosses.

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

7. In one text, Immanuel Kant states that “judgments of taste” fall into this category. For 10 points each:

[10] Name this subject of Kant’s *Critique of Judgment*. It is the philosophical study of beauty and art.

ANSWER: **Aesthetics**

[10] Kant defines this term as “what is absolutely great,” and distinguishes it from the beautiful. In a 1757 treatise, Edmund Burke called this concept the “strongest emotion.”

ANSWER: the **Sublime** [or the Beautiful and the **Sublime**]

[10] This author says that terror is sometimes mistakenly regarded as the sublime’s essence rather than its cause in his book *The Sense of Beauty*. This philosopher also wrote *The Last Puritan* and *The Realms of Being*.

ANSWER: George **Santayana** [or Jorge Agustín Nicolás Ruiz de **Santayana**] <Sophia Johnson>/<ed. HB>

8. The Marquis de la Mole’s daughter buries the protagonist’s severed head at the end of this novel. For 10 points each.

[10] Name this novel in which Julian Sorel shoots Madame de Renal after she prevents him from marrying Mathilde.

ANSWER: *The **Red and the Black***: A Chronicle of the 19th Century [or *The **Scarlet and the Black***; or *Le **Rouge et le Noir***: *Chronique du XIXe siècle*]

[10] This 19th century French author wrote *The Red and the Black*.

ANSWER: **Stendhal** [or Marie-Henri **Beyle**]

[10] In Stendhal’s *The Charterhouse of Parma*, Frabrizio del Dongo fights in this battle. George Osborne dies at this battle in *Vanity Fair*.

ANSWER: Battle of **Waterloo** <Carrie Derner>/<ed. ME>

9. Strawberries and cream are refreshments associated with this event, and a retractable roof was finally installed at this event’s Centre Court in 2009. For 10 points each:

[10] Name this tradition-laden athletic championship, played at the All England Club since 1877. Competitors must follow a strict dress code of all-white or near-white clothing.

ANSWER: The Championships, **Wimbledon** [prompt on The **Championships**]

[10] This man defeated Marin Čilić [“*Sill-itch*”] in 2017 to win his record 8th championship in Gentlemen’s Singles. This Swiss tennis player has also captured an all-time best 19 Grand Slam titles.

ANSWER: Roger **Federer**

[10] Before Federer won his 8th Wimbledon championship this year, he was tied in the record books with this American star, who won 7 Wimbledons in 8 years from 1993 to 2000.

ANSWER: Pete **Sampras** [or Petros **Sampras**] <Tyler Benedict>/<ed. SP>/<ed. JO>

10. This dynasty's expansion into Europe was halted by Charles Martel at the Battle of Tours. For 10 points each:

[10] Name this Islamic Caliphate, which lost much of its influence to the Abbasids after the Battle of Zab.

ANSWER: **Umayyad** Caliphate

[10] Yazid I of the Umayyads defeated a small army belonging to Muhammad's grandson at Karbala, which is near this river. This river roughly parallels the Tigris River.

ANSWER: **Euphrates** River [or **Buranunu**; or **Firat Nehri**; or **Nahr al Furat**; or **Perath**; or **Purattu**; or **Ufrat**]

[10] Córdoba was held under Islamic control until Christian forces reclaimed it in this process. This process of Muslim expulsion from Spain was completed with the fall of Granada in 1492.

ANSWER: **Reconquista** [or Christian **Reconquest**] <Cole Phinney>/<ed. JO>

11. The city beside this lake has a monument with a statue of a wounded lion carved out of the rock wall. For 10 points each:

[10] Name this lake with four glaciated valleys, connected by narrow channels. One man legendarily leapt from a boat on this lake to escape Gessler.

ANSWER: Lake **Lucerne**

[10] Four of this country's cantons have a border on Lake Lucerne, including Nidwalden, Uri, and Schwyz.

ANSWER: **Switzerland** [or Confederation **Suisse**; or Confederazione **Elvetica**; or Confederazione **Svizzera**; or **Helvetia**; or **Swiss** Confederation; or **Helvetic** Confederation]

[10] A long line of cement defensive wedges called the Promethouse Line, on the west side of Switzerland, is nicknamed after this candy that it resembles.

ANSWER: **Toblerone** <Zach Miesner>/<ed. David Dennis>

12. The natural form of this process can form Benard cells if heated from below, and an example of the forced form of this process is central air conditioning. For 10 points each:

[10] Name this process, that moves heat by bulk fluid motion.

ANSWER: **convection**

[10] Marangoni convection causes "teardrops" to form in partially-filled wine glasses due to the different values for this quantity for water and ethanol.

ANSWER: **surface tension**

[10] This dimensionless quantity, the product of the Prandtl and Grashof numbers, determines whether a fluid is undergoing conduction or convection.

ANSWER: **Rayleigh number** <David Dennis>/<ed. HB>

13. It was first practiced by Michael Chekhov, and developed further by Lee Strasberg. For 10 points each:

[10] Name this technique, by which an actor uses intense emotional recall of personal experiences to emotionally identify with their character. Daniel Day-Lewis practices this technique.

ANSWER: **Method Acting**

[10] This Russian director first described method acting as a “system” in his book *An Actor Prepares*.

ANSWER: Konstantin **Stanislavski**

[10] Stanislavsky collaborated with Edward Craig in a production of this play in Moscow in 1911. Craig’s set included sheets of gauze that fell away after Claudius’ exit from the first court scene.

ANSWER: **Hamlet** <David Dennis>

14. People associated with this party stole a marble stone gift from Pope Pius IX before it could be installed in the Washington Monument. For 10 points each:

[10] Name this Nativist, anti-immigrant and anti-Catholic party, which ran former President Millard Fillmore as its candidate for President in 1856.

ANSWER: **American** Party [or the **Know-Nothing** Party]

[10] The anti-slavery Free Soil Party ran this former President on their first ticket in 1848. The administration of this successor of Andrew Jackson was plagued by the panic of 1837.

ANSWER: Martin **van Buren**

[10] This political party nominated Henry Wallace and Robert LaFollete as its candidates for President.

ANSWER: **Progressive** Party [or **Bull Moose** Party] <David Dennis>/<ed. JO>

15. Government agencies in this book include the oxymoronically named Ministry of Love, and Ministry of Truth. For 10 points each.

[10] Name this novel about Winston and Julia’s attempt to rebel against the totalitarian government of Oceania.

ANSWER: **1984** [or **Nineteen Eighty-Four**]

[10] This author of *1984*, also wrote of the power struggle between the pigs Napoleon and Snowball in *Animal Farm*.

ANSWER: George **Orwell** [or Eric Arthur **Blair**]

[10] Orwell also wrote this nonfiction account of his time fighting with the POUM against the Nationalist government of Spain.

ANSWER: **Homage to Catalonia** <Jonathan Amlong>/<ed. ME>

16. The plaintiff in this case appealed his violation of the Bakeshop Act of 1895, which stated that bakery employees could only work 60 hours a week. For 10 points each:

[10] Name this progressive-era case, which upheld the "liberty of contract" in ruling against limiting the hours that bakers could work.

ANSWER: Lochner v. *New York* [or New York v. Lochner]

[10] The majority opinion of *Lochner v. New York* cited the due process clause of this amendment, which guarantees that states provide "equal protection" under the laws.

ANSWER: Fourteenth Amendment [or 14th Amendment]

[10] This Supreme Court Justice declared that "the Fourteenth Amendment does not enact Herbert Spencer's Social Statics" in his dissenting opinion in *Lochner v. New York*. He is also known for the "clear and present danger" test from his opinion in *Schenck v. United States*.

ANSWER: Oliver Wendell Holmes, Jr. <Cole Phinney>/<ed. SP>/<ed. JO>

17. Aldous Huxley wrote the liner notes to a 1956 LP of this man's music, and also wrote about listening to this man's music in *The Doors of Perception*. For 10 points each:

[10] Name this Italian Renaissance composer, who is likely more famous for the murder of his wife and her lover in 1590.

ANSWER: Don Carlo Gesualdo

[10] As a composer, Gesualdo was known for using heavy chromaticism in this secular polyphonic form often contrasted with motets. Claudio Monteverdi wrote nine books of these.

ANSWER: Madrigals

[10] This composer's ballet *Monumentum pro Gesualdo* consisted of his own orchestrations of Gesualdo's madrigals. This composer's other ballets include *The Rite of Spring*.

ANSWER: Igor Stravinsky <David Dennis>

18. This character is defeated after Birnam Wood comes to Dunsinane [*"Dun-sin-ayne"*], by a character who was "untimely ripped" from his mother's womb. For 10 points each.

[10] Name this title character, who becomes king after assassinating Duncan in a Shakespeare play.

ANSWER: Macbeth

[10] Three witches prophesize that this character will be "lesser than Macbeth, and greater" and that he will father kings. He is murdered by three men hired by Macbeth.

ANSWER: Banquo

[10] This son of Banquo is told to "fly, fly, fly" and successfully escapes the murderers' attempts to kill him.

ANSWER: Fleance <Sophia Johnson>/<ed. ME>

19. Entry into this stage requires a threshold level of Cyclin B1, and plant cells form a phragmosome before entering this stage. For 10 points each:

[10] Name this first stage of mitosis, wherein the nucleolus disintegrates and the chromatin coils into chromosomes.

ANSWER: **prophase**

[10] As the cell moves into the prometaphase stage, this compacted region holds the two identical sister chromatids together. It is usually found in the middle of a chromosome.

ANSWER: **centromeres**

[10] These protein structures near the centromeres are where the mitotic spindle fibers attach, allowing the chromatids to separate during anaphase.

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

20. *NOTE TO MODERATOR: Do not reveal the prompt on the second part of the bonus, as it will give away the answer to the third part. Thanks!*

The giantess Rindr gave birth to Vali, who was born to avenge the death of this god. For 10 points each:

[10] Name this god, who was burnt on the ship Hringhorni after his brother Hodr accidentally killed him with mistletoe.

ANSWER: **Baldr** [or **Baldur**; or **Balder**]

[10] Baldr was given the opportunity to return to leave Hel if all beings wept for him, but he will remain dead until Ragnarok because this giantess refused to weep for him.

ANSWER: **Thokk** [prompt on **Loki**]

[10] Hodr was given the mistletoe by this god. Thokk may have been this Norse trickster god in disguise, according to some sources.

ANSWER: **Loki** <Sophia Johnson>/<ed. JO>