

Bulldog High School Academic Tournament 2015 (XXIV): It's more than good...it's Grace!

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Packet 5 Tossups

1. **The second of these events was the result of attacks by the Targowica Confederation. The first of these events was precipitated by the Bar Confederation's attempt to kidnap Stanislaw II August. After one of these events, the Constitution of May 3, (*) 1791 replaced the system of "Golden Liberty."** The third and last of these events ended a failed uprising led by Tadeusz Kosciuszko [**"TAH-doysh koh-SHYOO-shkoh"**]. They partly occurred because the *sejm* [**"same"**] parliament was paralyzed by *any member* being able to use the *liberum veto*. For 10 points each, identify these agreements in which Russia, Prussia, and Austria eventually removed a Central European country from the map.

ANSWER: **Partitions of Poland** [accept any answer involving **Poland** being divvied up] <MW>

2. [Note to moderator: please read the gray-highlighted text SLOWLY]

One of this band's songs begins with a synthesizer repeatedly going up "F-F C-C F-F" and then down again. That song by this band was originally part of *Lifhouse*. The chorus of another of their songs begins "I'll tip my hat to the new constitution / Take a bow for the new revolution." Their bassist wrote the songs "My Wife" and (*) "Boris the Spider." One of their albums opens with a song that repeats the words "teenage wasteland," "Baba O'Riley." Their most famous song includes a John Entwistle bass solo, stuttering, and the line "I hope I die before I get old." Its members Pete Townshend and Keith Moon often destroyed their instruments onstage. For 10 points, name this band behind "My Generation."

ANSWER: The **Who** <JR>

3. **This technique sometimes uses a porous monolithic rod or an "open tubular" tube, and it often uses silica gel or alumina as a packing material. Large molecules like proteins and polymers are often analyzed with the size-exclusion type of it. In forensics, this technique is performed on gases and followed with mass spec in (*) GC-MS.** High pressures are applied to the mobile phase in a type of *this* abbreviated HPLC. In one family of this technique, the retention factor measures the ratio between the distance moved by the spot and the solvent. For 10 points, column, thin layer, and paper are all types of what technique for separating mixtures?

ANSWER: **chromatography** [accept any specific type of **chromatography**] <NW/JR>

4. **An artist from this movement painted a "diagram" version of a *Portrait of Madame Cézanne* and made a simplified version of Picasso's *Woman with Flowered Hat*. That artist from this movement painted a blonde girl clutching a telephone in *Oh, Jeff*. This movement got its name from an object held by a bodybuilder in Richard Hamilton's *Just* (*) *what is it that makes today's homes so different, so appealing?* An artist from this movement used prominent Ben-Day dots in works like *Drowning Girl*. Another artist from this movement made prints of things like Marilyn Monroe and Campbell's soup cans. For 10 points, name this 20th-century art movement of Roy Lichtenstein and Andy Warhol.**

ANSWER: **Pop art** <JR>

5. **Jean Wyllys, a Member of Parliament and a gay rights activist, recorded an ad for this country's president based on her support for PL 122. The Mais Medicos program brought many Cuban doctors to this country. Every major candidate in this country's recent election supported the Bolsa Familia. Eduardo Campos died in a plane crash in this country and was replaced as the PSB's candidate by Marina Silva, a former member of the Worker's Party. He was formerly governor of (*) Pernambuco. Aécio Neves accused the president of this**

country of being responsible for a bribing scandal in Petrobras. For 10 points, name this country that recently reelected President Dilma Rousseff.

ANSWER: Federative Republic of Brazil [accept República Federativa do Brasil] <IKD>

6. In a movie set in this city, the protagonist takes his son to get pizza but ends up ordering cheese on bread after his son keeps glancing back at a rich family. A film titled for this city opens with its protagonist escaping his apartment by jumping across the rooftops, before Nazis can catch him. In a 2012 film set here, a middle-aged man becomes an opera star, despite having to sing in an onstage (*) shower. In another film set here, the actress Sylvia plays in a fountain at night. It is the title “Open City” of a Rossellini movie, and this city is the setting of *Bicycle Thieves* and a recent Woody Allen movie titled *To [It], with Love*. For 10 points, name this setting of *La Dolce Vita* by Federico Fellini, who lived there.

ANSWER: Rome [or Roma] <JR>

7. Older elliptical galaxies, which lack star formation regions, often appear this color. When something falls into a black hole, it will spaghettify and turn this color. Stars of this color are often of spectral type M and appear at the right side of the Hertzsprung-Russell diagram; examples of such stars include Betelgeuse. The distance to an object moving (*) away from the observer can be measured by looking at how its spectral lines have been altered due to an effect named after this color. In that effect, the object turns this color because light waves stretch according to the Doppler effect. For 10 points, identify this color with wavelength around 650 nm, the longest in the visible spectrum.

ANSWER: red <HX>

8. After World War I, this country occupied most of Hungary, removing Bolsheviks from power. Its oil fields at Ploiesti were often bombed, since they were the Axis’s largest. King Michael’s coup led this country to switch sides to the Allies in 1944. The anti-Semitic Iron Guard gained power in this country during the 1930s. Many protesters were killed in its city (*) Timisoara by a leader who issued the July Theses. It had a secret police called the Securitate under a leader who was executed on Christmas in 1989, along with his wife Elena. For 10 points, identify this Eastern European nation once led by Nicolae Ceausescu [“chow-SHESH-koo”].

ANSWER: Romania [or Romaniei] <MW>

9. This place was conquered by a force of ten thousand that only suffered two losses and killed only twelve people. The “Year of Sorrow” occurred in this place. Visitors to this place often clothe themselves in two white sheets. After leaving this place, its most famous citizen fought the Battle of the (*) Trench. The Stoning of the Devil is done near this site of the Well of Zamdam. The Quraysh clan once controlled this place near the Cave of Hira. This city is home to a black stone which pilgrims circle seven times. It was left, in the *hijra*, for Medina. For 10 points, name this home of the Kaaba, the holiest city of Islam.

ANSWER: Mecca [or Makkah] <FM/JR>

10. The carriage-driver Hivert explains that this character’s dog, Djali, ran away. This character skips out on the third act of Lagardy’s performance of *Lucia di Lammermoor* while in Rouen. This is the title character of a novel that ends with the Cross of the Legion of Honor being given to the bad pharmacist (*) Homais. During an all-day carriage ride that ends with her tearing up a letter and tossing it, this character probably consummates her affair with Léon. This character’s husband, Charles, is so boring that she piles on debt and takes arsenic to commit suicide. For 10 points, name this title character of a Gustave Flaubert novel.

ANSWER: Emma Bovary [or Madame Bovary] <JR>

11. Journalist Lorena Hickok may have been a lover of this patron of a planned community at Arthurdale, West Virginia. This figure angered the President by supporting Walter White, Edward Costigan, and Robert

Wagner's federal anti-lynching efforts. With Harry Hopkins, this developer of Val-Kill spearheaded the National Youth Administration. After resigning from the Daughters of the American Revolution in protest, this later chair of the drafting of the U.N.'s Universal Declaration of Human Rights coordinated (*) Marion Anderson's 1939 concert at the Lincoln Memorial. Often at odds with her husband's New Deal advisors, this is, for 10 points, what longest-serving first lady, the wife of FDR?

ANSWER: Eleanor Roosevelt [or Anna Eleanor Roosevelt; or A. E. Roosevelt; prompt on "Roosevelt"; prompt on "E. Roosevelt"; prompt on "A. Roosevelt"] <JW>

12. This physicist developed an energy distribution that, in the high-frequency range, matches the Wien approximation. One of his concepts was extended by Einstein to explain the photoelectric effect. He resolved the "ultraviolet catastrophe" by showing that the negative fifth power of the wavelength is proportional to (*) blackbody radiation. He also showed that energy is proportional to frequency, with the constant of proportionality equal to six point six times ten to the negative thirty-fourth, so energy can only come in integer multiples of a small unit. For 10 points, name this German theorist who invented quantum mechanics and names the constant "*h*."

ANSWER: Max [Karl Ernst Ludwig] Planck [accept Planck's constant] <JR>

13. This character declares that women 'Down from the waist...are centaurs' and "let copulation thrive!" In Act Five, this character tells onlookers "Had I your tongues and eyes, I'd use them so / That heaven's vault should crack." This character is told he'd "make a good fool" after guessing why "the seven stars are no more than seven." He yells things like "Look, look a (*) mouse!" and "Blow, winds, and crack your cheeks!" This title character rips off his clothes in a storm and enters "fantastically dressed with wild flowers" after going insane. For 10 points, name this character who banishes Cordelia and divides his kingdom amongst his daughters Regan and Goneril, in a Shakespeare tragedy.

ANSWER: King Lear <JR>

14. This figure's son lost his hands until Sobek retrieved them with a fish-trap. This deity wears a white headpiece with two Ma'at feathers, the *atef* crown. He was once incorporated into a tamarisk pillar in the palace of Malcander and Astarte at Byblos. This figure was the first son born during the five intercalary days fashioned from the light of the moon god, Khonsu. This ruler of Duat and son of (*) Nut lost his reproductive organs when they were nibbled up by fish. That occurred after he was locked into a lead-sealed chest, torn into fourteen pieces, and dumped into the Nile by Seth. For 10 points, name this green-skinned consort of Isis, the Egyptian god of the dead.

ANSWER: Osiris [or Usir; or Ausar] <GL>

15. One of this man's plays revolves around an African-American Pullman porter's flight from power in the West Indies. A character created by this playwright refers to himself as a "foolosopher." That former anarchist, Larry Slade, appears in the same play as two friends from opposite sides of the Boer war, who stop talking to one another after a man's speech. At the end of that play by this author of *The Emperor* (*) Jones, Don Parritt commits suicide and Hickey, the title character, admits to murdering his wife. That play by this man revolves around the "Pipe Dreams" of the men in Harry Hope's saloon. For 10 points, name this author of *The Iceman Cometh*.

ANSWER: Eugene [Gladstone] O'Neill <LL>

16. One composer from this country wrote two string quartets, in A Major and D Major, the second of which includes his "Nocturne." Another composer from this country had violins imitate guitars in a work that contains a "Scene and gypsy song," two "Alboradas," and a "Fandango asturiano." That composer from this country used weird time signatures like "two-one" and "five-two" in an overture depicting the (*) Easter Festival here. Some *Polovetsian Dances* from this country were reorchestrated by the composer of *Capriccio*

Espagnol and *Scheherazade*. For 10 points, name Eastern European country home to the “Mighty Five,” including Alexander Borodin and Nicolai Rimsky-Korsakov.

ANSWER: Russia <JR>

17. A polity in this present-day country used the *baray* irrigation system and declared independence from “Java” under Jayavarman II. That polity in this country fought against its eastern neighbor, Champa, and built the world’s largest religious monument. It was bombed in Operations Menu and Freedom Deal in a continuation of nearby Operation Rolling Thunder. Its king Sihanouk was deposed by (*) Lon Nol. A communist regime that took over this country in 1975 conducted mass executions of intellectuals at the Killing Fields, including near the Angkor Wat. For 10 points, identify this state in Southeast Asia, ruled from 1975 to 1979 by dictator Pol Pot’s Khmer Rouge.

ANSWER: Kingdom of Cambodia [or Preăh Réachéanachâk Kâmpŭchéa] <MW/JR>

18. This character loses one of his helmsmen, Palinurus, when that man is flung from a ship while asleep. Celaeno curses this man and his companions to eat their own tables. This man’s father points out the prematurely deceased Marcellus before this man leaves Elysium through the ivory gate of false dreams. This man’s shield depicts Anubis arrayed against Neptune and Minerva in reference to Actium. After defeating (*) Turnus in a war with the Rutulians, this man marries Lavinia and establishes a city in Italy with the help of his mother, Venus. For 10 points, name this former Trojan who becomes the ancestor of the Romans in his namesake Latin epic by Virgil.

ANSWER: Aeneas <GL>

19. In response to this process, concentrations of acute-phase proteins like CRP increase. This response is mediated by leukotrienes. Diseases principally caused by this process include atherosclerosis and Crohn’s disease. Huge numbers of neutrophils gather at the site of this process. At the beginning of this process, the granules in basophils and mast cells release (*) histamine. Diseases involving this process end in “itis,” and allergies cause this to happen for no good reason. This condition is the principal target of NSAID painkillers like ibuprofen and aspirin. For 10 points, name this response to damage, infection, or irritation, which results in heat, swelling, and redness.

ANSWER: inflammation [or inflammatory response; prompt on anything involving an “immune” response; if they answer with “infection,” “injury,” “allergic” response or “allergies,” prompt by saying “They want something more general.”] <JR>

20. This book notes that “men forget more easily the death of their father than the loss of their inheritance.” This book encourages risk-taking by saying that “fortune is a woman; and it is necessary, if one wants to hold her down, to beat her.” The first half of this book is an analysis of new, hereditary, and ecclesiastical (*) states. It claims that the title figure must be both cunning like a fox and powerful like a lion, as evidenced by the success of Cesare Borgia. Written for Lorenzo de’Medici, this work famously states that if a ruler must choose one, it is better to be feared than to be loved. For 10 points, name this political treatise by Niccolò Machiavelli.

ANSWER: *The* Prince [or *Il* Principe] <JM>

Tiebreaker

21. In this region, the liberation movement IMRO assassinated King Alexander I. A twentieth-century war named after this region saw victories for the side of Ferdinand I and Peter I, leading to the Treaty of London. The Free State of Fiume was established in it. Another war in this region was ended by the 1913 Treaty of Bucharest. This region was reorganized in the (*) Congress of Berlin. The July Crisis occurred in this region, which was dominated by the Ottoman Empire for centuries. Archduke Franz Ferdinand was assassinated in this

region. For 10 points, name this peninsula home to the former country Yugoslavia and modern states like Serbia and Kosovo.

ANSWER: the **Balkan** peninsula [accept **Macedonia** before “Ferdinand I,” accept **Yugoslavia** before “Congress of Berlin”; prompt on “Bosnia,” “Greece,” and “Serbia” and the previously mentioned states anytime] <LL>

Packet 5 Bonuses

1. In this play, two characters have sex offstage while peasants dance. For 10 points each:

[10] Name this naturalistic play about a Count's daughter who is involved with Jean. Later on in the play, a canary's head is chopped off and the title character goes off-stage, presumably to commit suicide with a shaving razor.

ANSWER: Miss Julie [or Fröken Julie]

[10] The author of *Miss Julie*, August Strindberg, hailed from this country. Other writers from here include Stieg Larsson and the creator of Pippi Longstocking, Astrid Lingren.

ANSWER: Kingdom of Sweden [or Konungariket Sverige]

[10] In *Miss Julie*, both Jean and Christine work in this type of profession.

ANSWER: servants [or domestic worker; or valet; or manservant; or cook] <LL>

2. It is equal to force over mass, by Newton's second law. For 10 points each.

[10] Name this rate of change of velocity over time. The gravitational force of the Earth yields a value for this of 9.8 meters per second squared.

ANSWER: acceleration

[10] The inwards acceleration due to this kind of force is equal to the velocity squared over radius of curvature.

ANSWER: centripetal force

[10] Newton's second law of motion can be used to derive the rocket equation, which states that change in velocity equals exhaust velocity times *this function* of initial mass over final mass.

ANSWER: natural logarithm [or ln] <NW>

3. Her literary debut won the Pulitzer for Fiction in 2000. For 10 points each:

[10] Name this author of the short story "Sexy." She wrote about a man whose name becomes "Gogol" in *The Namesake*.

ANSWER: Jhumpa Lahiri

[10] Gogol's parents in *The Namesake*, as well as Lahiri's, are immigrants from *this* Indian city. Her most recent novel, *The Lowland*, features Subash and his Naxalite brother, Udyan, who grow up in this city.

ANSWER: Calcutta [or Kolkata]

[10] Gogol's parents move from Calcutta to *this* Massachusetts city in *The Namesake*. Andre Aciman's *Harvard Square* is also set in this city, and it's named for a city that has a rivalry with the "other" university town, Oxford.

ANSWER: Cambridge, Massachusetts <IKD>

4. Mexico was a fun place to be in the 20th century. Name some things that happened then and there, for 10 points each.

[10] This political party was founded by Plutarco Calles after the Mexican Revolution. It held power from 1929 to 2000.

ANSWER: PRI [or Partido Revolucionario Institucional; or Institutional Revolutionary Party]

[10] Calles' successor Lazaro Cardenas nationalized *this* industry by kicking out Royal Dutch Shell, creating Pemex in its place. This industry has created natural disasters in the Gulf of Mexico like Ixtoc I and Deepwater Horizon.

ANSWER: oil industry [accept petroleum or other equivalents]

[10] This state in Northern Mexico is home to the Yaqui people, who played an integral role in the Mexican Revolution. Both Plutarco Calles and Alvaro Obregón hailed from this state, which also names a desert.

ANSWER: Free and Sovereign State of Sonora [or Estado Libre y Soberano de Sonora] <LL>

5. This author discussed animals in a number of her poems. For 10 points each:

[10] Identify this poet who felt "zero at the bone" upon meeting "A Narrow Fellow in the Grass" and who observed "a Blue uncertain stumbling buzz" in "I Heard a Fly Buzz When I Died."

ANSWER: Emily [Elizabeth] **Dickinson**

[10] Using some avian imagery, Dickinson characterized this concept as “the thing with feathers that perches in the soul,” praising its generosity by stating, “never in extremity it asked a crumb of me.”

ANSWER: **hope** [accept “**Hope** is the thing with feathers”]

[10] In her poem “I’m Nobody! Who are You?” Dickinson claims that it would be dreary to be somebody, comparing public exposure to this animal, which tells its name “the livelong June to an admiring bog.”

ANSWER: **frog** [do **NOT** accept any amphibious equivalents, e.g. “toad”] <GL>

6. Hume’s *Enquiry Concerning the Principles of [these things]* was strongly influenced by Adam Smith’s theory that “sympathy” drives these kinds of “sentiments.” For 10 points each:

[10] Name these supposedly innate principles. Kant considered the “categorical imperative” to be the basis for them in the *Groundwork of the Metaphysic of [them]*.

ANSWER: **morals** [accept *Theory of Moral Sentiments*; accept An *Enquiry Concerning the Principles of Morals*; accept *Groundwork of the Metaphysic of Morals*]

[10] When he wasn’t writing about morals, Hume was busy thinking about this problem. He used the example of a pair of billiard balls to illustrate this problem.

ANSWER: the problem of **induction** [accept answers involving **cause** and **effect**]

[10] Hume’s other *Enquiry* contains a famous section debunking these religious events. He basically argued that people were too unreliable to be believed about these events, which supposedly violate the laws of nature.

ANSWER: **miracles** [accept “Of **Miracles**”] <JR>

7. Answer some questions about the late Roman Republic, for 10 points each.

[10] Each year, two men were elected to this office to co-rule as the highest magistrates in Rome. They held the power to command the military, so their subordinates included the tribunes.

ANSWER: **consul**

[10] This Roman general held the consulship an unprecedented 7 times between 107 and 86 BC. He reformed the Roman army and defeated the Numidian king Jugurtha in North Africa.

ANSWER: Gaius **Marius**

[10] After Marius’s reforms, this subdivision of the Roman military consisted of 10 *contubernia*. They originally consisted of one hundred soldiers.

ANSWER: **century** [or **centuria**] <FM>

8. Name some public places with big sculptures of lions, for 10 points each.

[10] Four lions sit at the base of Nelson’s Column in this London square just north of Charing Cross.

ANSWER: **Trafalgar** Square

[10] E.C. Potter sculpted the lions “Patience” and “Fortitude,” which sit outside the entrance of this New York City building.

ANSWER: the New York **Public Library**, Main Branch [accept **NYPL**]

[10] There are sculptures of lions throughout this city, including in its massive Summer Palace and all over its “Marco Polo” Bridge.

ANSWER: **Beijing** <JR>

9. Answer some questions about the reception of John Constable’s paintings, for 10 points each:

[10] This influential English art critic said that, with one of Constable’s drawings, “we have arrived at the point of total worthlessness.” His works include *Modern Painters*, *The Seven Lamps of Architecture*, and *The Stones of Venice*.

ANSWER: John **Ruskin**

[10] On the other hand, this French critic wrote admiringly of Constable’s *The Haywain*, which was included in the

1824 *salon*. This author of *Racine and Shakespeare* and *On Love* also wrote novels like *The Charterhouse of Parma*.

ANSWER: Stendhal [or Marie-Henri Beyle]

[10] Constable's paintings in the 1824 *salon* greatly influenced this French painter, who was often defended in print by Baudelaire. He painted *Women of Algiers* and *Liberty Leading the People*.

ANSWER: [Ferdinand Victor] Eugène Delacroix <JR>

10. Answer some questions about dinosaurs, for 10 points each.

[10] Dinosaurs first appeared during this geologic period that ended about 200 million years ago. Pangaea rifted into Laurasia and Gondwanaland during this period, which preceded the Jurassic.

ANSWER: Triassic period

[10] All non-avian dinosaurs became extinct, along with 3/4 of Earth's life, during this event. This mass extinction's namesake boundary is a layer of iridium-rich sediment in the geologic record all over the earth.

ANSWER: K-T extinction [or K-Pg extinction; or Cretaceous-Tertiary extinction; or Cretaceous-Paleogene extinction]

[10] The iridium is thought to be from this massive asteroid or comet. Its impact crater was found buried in the Gulf of Mexico.

ANSWER: Chicxulub impactor <HX>

11. In 2012, this prize was not awarded in the "Fiction" category, scandalizing everyone who really liked David Foster Wallace's *The Pale King*. For 10 points each:

[10] Name this set of prizes, named after the publisher of the *New York World* newspaper, which honors the best American journalism, literature, and music composition of the year.

ANSWER: the Pulitzer Prizes

[10] Perhaps the closest British analogue of the Pulitzer Prize is this award for the best English-language fiction published in the UK. As with many other awards, nominees on the "longlist" are whittled down to the "shortlist."

ANSWER: the Man Booker Prize [or the Booker-McConnell Prize]

[10] This author's *The Beggar Maid* is the only short story collection ever shortlisted for the Booker. Her literary output, including collections like *The Dance of the Happy Shades*, won her the 2013 Nobel in Literature.

ANSWER: Alice [Ann] Munro [or Alice Ann Laidlaw] <GL>

12. This composer wrote hymn tunes like "A Mighty Fortress Is Our God." For 10 points each:

[10] Name this German theologian, who kicked off the Protestant Reformation with his *95 Theses*.

ANSWER: Martin Luther

[10] Luther posted the *95 Theses* on the door of a church in this city, where he was working as a professor. He returned to this city just before the start of the Peasants' War.

ANSWER: Wittenberg [do NOT accept the similar-sounding "Württemberg" or "Würzburg," which are not the same place]

[10] One of Luther's colleagues at Wittenberg was this theologian, who systematized Lutheranism with the Augsburg Confession.

ANSWER: Philipp Melanchthon <JR>

13. The Book of Jonah is read on this holiday. For 10 points each:

[10] Name this Jewish Day of Atonement that marks the conclusion of the High Holy Days. It's the most famous fast day in Judaism.

ANSWER: Yom Kippur [or Yom haKippurim]

[10] This prayer is traditionally recited at the beginning of evening service on Yom Kippur. Its legalistic formula renounces all vows made during the year.

ANSWER: Kol Nidrei

[10] On Yom Kippur, Jews traditionally avoid *this* clothing practice.

ANSWER: wearing leather <JM/JR>

14. This composer sassed Wagner, noting that he “has good moments but awful quarters of an hour.” For 10 points each:

[10] Identify this Italian composer who quit opera at age thirty-seven after penning *William Tell*. This composer of *The Thieving Magpie* and *The Italian Girl in Algiers* claimed that he could set a laundry list to music.

ANSWER: Gioachino [Antonio] Rossini

[10] Perhaps Rossini’s “awful quarters of an hour” quip referred to this extremely long four-opera cycle by Wagner, which begins with the dwarf Alberich’s cursed gold and ends with the destruction of Valhalla.

ANSWER: the Ring of the *Niebelung* cycle [or *Der Ring des Niebelungen*]

[10] Most scholars think that *this* Wagner opera about Hans Sachs is anti-Semitic, since it features the petty, but clever Jewish stereotype, Beckmesser.

ANSWER: *The Master-Singers of Nuremburg* [or *Die Meistersinger von Nürnberg*] <GL>

15. These organisms were used in the Hershey-Chase experiment, which showed that DNA carries genetic information. For 10 points each:

[10] Name these viruses. Examples include “T7.”

ANSWER: bacteriophages

[10] Bacteriophages, unsurprisingly, infect bacteria. Bacteria and Archaea make up this larger group of single-celled organisms with no nucleus, which are contrasted with eukaryotes.

ANSWER: prokaryotes [or prokaryota]

[10] Both the T7 and lambda phages infect this bacterium, which comes in strains like O157:H7. The lac operon was discovered in it, and the Meselson-Stahl experiment was conducted on it.

ANSWER: E. coli [or Escherichia coli] <JR>

16. This is a boring bonus. For 10 points each.

[10] This hundred-eyed giant was literally bored to death after Hermes’ storytelling caused him to close all his eyes. Hera then placed his eyes on the tail of the peacock.

ANSWER: Argus Panoptes [or Argos Panoptes]

[10] Hermes incapacitated Argus in order to free this lovely lady, who was turned into a cow after her dalliance with a bored Zeus. Hera was not fooled by this girl’s heifer disguise and sent a gadfly to chase her.

ANSWER: Io

[10] Because he was bored of hanging out with the dead, this Greek god of the Underworld decided to kidnap Persephone, the goddess of flowers.

ANSWER: Hades [do not accept “Pluto”] <GL>

17. This conflict was directly precipitated by an attack upon soldiers commanded by Zachary Taylor, who had refused to withdraw from disputed land between the Nueces River and the Rio Grande. For 10 points each:

[10] Identify this nineteenth-century war, during which U.S. marines stormed the castle of Chapultepec in our southern neighbor. Congressman Abraham Lincoln questioned land claims used to justify this war in his “spot resolutions.”

ANSWER: Mexican-American War [or U.S.-Mexican war]

[10] This Mexican port city was taken in early 1847 by an amphibious assault, paving the way for the eventual capture of Mexico City.

ANSWER: Veracruz [de Ignacio de la Llave]

[10] This American officer redirected his topographic expedition to Sonoma, California, in order to assist members of the Bear Flag Revolt. He later ran as the first Republican candidate for the U.S. presidency, in 1856.

ANSWER: John C. Frémont <MW>

18. According to Beer's law, this quantity is proportional to the absorbance. For 10 points each:

[10] Name this quantity that is measured in colorimetry.

ANSWER: concentration [accept molarity]

[10] When using a colorimeter, the sample is placed in one of these little, clear containers. They are often rectangular prisms that are clear on two opposite faces and have grips on two others.

ANSWER: cuvettes

[10] Completely clear cuvettes are also used in a type of spectroscopy named for this phenomenon. This happens when a substance absorbs and then emits radiation, and it is slower than phosphorescence.

ANSWER: fluorescence [accept fluorescence spectroscopy] <JR>

19. [Note to moderator: please pay attention to the note after the first bonus part]

Answer some questions about stabbing people, for 10 points each:

[10] This Olympic sport carries on the Western tradition of sword fighting into the modern age. In its current form, there are three sub-weapons and an electronic scoring system.

ANSWER: fencing [do NOT prompt on "kendo"; accept épée; accept foil; note (do NOT read this note out loud!): if they say "saber," accept it, but DO NOT mention it otherwise]

[10] This fencing weapon consists of a thin curved blade; cuts made anywhere on the upper body with it are on target.

ANSWER: saber [or sabre]

[10] This defensive move in fencing uses blade angle and leverage to block an opponent's incoming blade. It is often followed by a return thrust called a riposte.

ANSWER: parry <FM>

20. His viciously difficult piano works include *Allegro Barbaro* and *Romanian Folk Dances*. For 10 points each:

[10] Name this twentieth-century Hungarian composer, who also wrote the more approachable *Music for Strings, Percussion, and Celesta*.

ANSWER: Béla [Viktor János] Bartók [or Bartók Béla Viktor János]

[10] Bartók wrote a famous one of *these* works "for orchestra" with no particular soloist. He also wrote three works in this genre for piano and orchestra, the second of which is infamously difficult, as these pieces often are.

ANSWER: concertos [or concerti]

[10] Bartók's easier pieces include this collection of six books of piano pieces, which start out really easy and end up pretty hard.

ANSWER: Mikrokosmos <JR>

Tiebreaker

21. In its last act, the King Dushyanta takes a chariot up to heaven. For 10 points each:

[10] Name this play, in which the title character loses a ring, only for it to be found later in the belly of a fish. That ring in this play breaks a forgetting curse on the King.

ANSWER: *The Recognition of* Shakuntala [or *The Sign of* Shakuntala; or *Abhijnanaśakuntalam*; accept any answer with the name Shakuntala in it]

[10] *The Recognition of Shakuntala* is the masterpiece of Kalidasa, the greatest poet and playwright in *this* language. The Rig Veda and *Mahabharata* were written in this holy language of Hinduism.

ANSWER: Sanskrit [or samskr̥tam]

[10] *The Recognition of Shakuntala* has this number of acts. This is the number of volumes in *In Search of Lost Time*, and Christoph Booker postulated *this* many "basic plots." A house in a Nathaniel Hawthorne novel has this many gables.

ANSWER: seven [accept *The Seven Basic Plots*] <JR>