2019 Wayzata Academic Invitational Tournament
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Packet 14

## Tossups

1. An annual event in this city supposedly originated from a military victory over Aquileia.

This city's six Scuole Grandi guilds were patrons of artists from this city, such as Gentile Bellini. The remains of the patron saint of this city were stolen from Alexandria by merchants; that patron saint of this city is (*) Saint Mark. The Arsenale shipbuilding center supported this city's powerful navy, which helped defeat the Ottomans at the Battle of Lepanto. Enrico Dandolo was one of the doges who ruled this city. For 10 points, name this Italian city home to many canals.
ANSWER: The Most Serene Republic of Venice <BL> Ed. TH
2. When one of this man's enemies tried to take his sword from his dead body, the sword fell and cut that enemy's hand off. After training with the warrior-woman Scathach [SCA-hach], this man fathered a son with Aife [EE-fuh] named Connla, whom he later killed for not revealing his name. When he wasn't able to enter the feast of King Conchobhar [CON-co-bar], this man hurled a leather ball down the throat of a guard ( ${ }^{*}$ ) dog, which led him to take on a new name. This wielder of the Gae Bulg [gai boolg] singlehandedly fought the forces of Queen Medb [mayv] at the Cattle Raid of Cooley. For 10 points, name this hero of the Ulster Cycle.
ANSWER: Cu Chulainn [kuh-CUL-en] [or Setanta; or Cuhullin; prompt on the "Hound of Ulster"] <AH> Ed. TH
3. Project Mohole, the RRS James Cook, and the Chikyu-Hakken mission all tried to reach this region. The lower sections of ophiolites originate from this region. The upper part of this region is mostly made of peridotite. The lowest area of this region contains the ( ${ }^{*}$ ) D double prime region, which is right above a region that $S$ waves cannot go through. Hot spots are believed to be "plumes" originating from this region. This region is bounded above by the Moho discontinuity and contains the asthenosphere. For 10 points, name this layer of Earth that lies between the crust and the core.
ANSWER: mantle <AH> Ed. GC
4. A man with this profession loves Aleksandra Andreyevna in A Sportsman's Sketches. Mr. Poole and Gabriel Utterson break into the house of a character with this job after he refuses to leave. Héloïse Dubuc [Elle-wahs Doo-buke], the wife of a man with this profession, dies before he marries a woman who commits suicide by taking arsenic. (*) Charles Bovary works in this profession, as does a man who writes the poem "Hamlet" and loves Lara. Another man with this profession takes a serum to prevent the appearance of his alter ego, Mr. Hyde. For 10 points, name this profession of Yuri Zhivago and Henry Jekyll.
ANSWER: doctor [accept physician; accept surgeon] <CS> Ed. JK
5. An opera by a composer born in what was then this country features a minor-second "blood motif" that plays at several points, including when Judith finds a "lake of tears." A folk song structure from this country in which a slow lassan [LAHSH-on] is followed by a fast friska influenced a set of 19 pieces named for this country that were based on its (*) csárdás [char-DAHSH] dance. The composer of Duke Bluebeard's Castle studied the folk music of this country, while the composer of the Transcendental Études wrote a set of rhapsodies named for it. For 10 points, name this modern country whose greatest composers include Béla Bartók and Franz Liszt.
ANSWER: Hungary [or Magyarország; accept the Kingdom of Hungary] <CS> Ed. RC
6. This artist painted a dark horned figure sitting in front of a huddled mass of women in one of two paintings titled Witches' Sabbath. This artist depicted owls and bats behind a man slumped over his desk in The Sleep of Reason Produces Monsters. On the walls of his house, this man painted a (*) headless body being held by an open-mouthed Titan. One of this artist's works is illuminated by a single lantern and shows a man in white holding his arms up as a soldier points a gun at him. For 10 points, name this Spanish artist who painted Saturn Devouring His Son and The Third of May, 1808.
ANSWER: Francisco José de Goya y Lucientes <BS> Ed. TH
7. This quantity is the numerator of the ratio that defines relativistic beta. In a gas, the average value of this quantity is equal to the square root of three times the ideal gas constant times temperature over molecular weight. Charge times the cross product of this quantity and the magnetic field gives the (*) magnetic force. Centripetal acceleration equals the square of this quantity over the radius. Acceleration is the time derivative of, for 10 points, what vector quantity that measures the change in displacement over the change in time?
ANSWER: velocity [accept root mean square velocity; prompt on "speed"] <BW> Ed. GC
8. The state of New York is suing this organization's former advertising agency Ackerman McQueen for refusing to turn over documents that allegedly detail the corrupt dealings of this group's chief executive. Senator Ron Wyden accused this group of being a foreign "asset" and asked the IRS to probe its tax-exempt status. Ilhan Omar accused this group of advocating for (*) "mass murder," while in September 2019, the city of San Francisco condemned this group as a "domestic terror organization." For 10 points, name this American advocacy association led by Wayne LaPierre that promotes gun rights. ANSWER: National Rifle Association [or NRA] <BL> Ed. BS
9. In a novel by this author, a character who moves to Chicago is taught by the one-eyed Harsanyi; in that novel by this author, Dr. Archie and Fred Ottenberg watch a performance by the opera singer Thea Kronberg. In another novel by this author, an immigrant father who commits suicide is buried without proper rites; in that novel by this author, a character works for the moneylender (*) Wick Cutter and marries Anton Cuzak. The Bohemian Shimerda family are neighbors of Jim Burden in this author's novel set in Blackhawk, Nebraska. For 10 points, name this author of The Song of the Lark and My Ántonia.
ANSWER: Willa Sibert Cather <CS> Ed. JK
10. Upon seeing headlines during this event that said one man "had accomplices in his mission of murder," Modest Aronstam abandoned the dynamite he brought to kill a man. Hughey O'Donnell supported Robert Pattison's dispatch of state militia to this conflict, during which Alexander (*) Berkman stabbed a leader three times. One side in this conflict burned the barges used by Pinkerton detectives to arrive at a site where Andrew Carnegie's associate planned to break up the Amalgamated Association. For 10 points, name this bloody 1892 conflict involving Henry Clay Frick at a steel mill in Pennsylvania.
ANSWER: Homestead Steel Strike [accept Homestead Massacre; accept Homestead Riots] <BW> Ed. TH
11. In one of these works, five women beg for lamp oil before being locked out of a wedding feast. In another of these texts, a rich man refuses to help the beggar Lazarus, resulting in his eventual punishment in Hell. A famous one of these works found in the Gospel of Luke describes a young man who "was dead and is alive again" after (*) returning bankrupt to his father. One of these works tells of how a priest and a Levite ignore a wounded man on the road to Jericho. For 10 points, name these biblical stories, which include ones about a Good Samaritan and the Prodigal Son.
ANSWER: parables of Jesus Christ <BL> Ed. JK
12. An equation that relates magnetic susceptibility to a difference of temperature is named for Weiss and a scientist with this surname. A pair of brothers with this surname first discovered a phenomenon in Rochelle salt and quartz in which mechanical stress in a material causes the buildup of charge, which is called $\left({ }^{*}\right)$ piezoelectricity. Two scientists with this surname studied torbernite and pitchblende, in which they discovered radium and polonium. For 10 points, give this name shared by the scientists Pierre and Marie, who coined the term radioactivity.
ANSWER: Curie [accept Pierre Curie, Marie Curie, or Irène Joliot-Curie] <BW>Ed. GC
13. This man once requested that followers send one-dollar bills to support the church Our Lady of Perpetual Exemption. This man sent a mascot to befriend Susaki's mascot Shinjo-Kun in Japan and published a children's picture book about Marlon Bundo, Mike Pence's pet rabbit. This man discusses subjects like Columbus Day and Ayn Rand in the segment (*) "How Is This Still a Thing?" This former Daily Show correspondent voiced Zazu in the 2019 film The Lion King and traveled to Russia to interview Edward Snowden. For 10 points, name this British television host of Last Week Tonight.
ANSWER: John Oliver <BS> Ed. JK
14. This poet asks, "Was he free? Was he happy?" in a poem about a man who works for Fudge Motors Inc. In a poem, this author of "The Unknown Citizen" mentions an "exiled Thucydides" and "blind skyscrapers." This poet wrote of "the splash, the forsaken cry" in a poem that begins, "About suffering they were never wrong, the old (*) Masters." This poet included himself sitting in "one of the dives on Fifty-Second Street" and declared, "We must love one another or die," in a poem named for the date Poland was invaded by Germany. For 10 points, name this poet of "Musee des Beaux Arts" and "September 1, 1939."
ANSWER: Wystan Hugh Auden [accept W. H. Auden] <BS> Ed. JK
15. The ruling elite of this civilization wore polished iron ore mirrors around their necks as status symbols. The distant Tuxtla [TOOKS-luh] Mountains were the source of the basalt used in most of these people's sculptures, which were often made in the "elongated man" style. This culture believed in mythical beings who could transform from humans into jaguars, named "were-jaguars." This culture's major cities included (*) La Venta and San Lorenzo, where these people carved large monuments that likely celebrated deceased rulers. For 10 points, name this ancient Mesoamerican culture known for sculpting massive stone heads.
ANSWER: Olmecs < BL> Ed. TH
16. A drug used to treat this disease was discovered by Tu Youyou in sweet wormwood and is called artemisinin. In this disease, schizonts [sky-zonts] release merozoites [may-ro-zo-ites] and are themselves formed from sporozoites. Knowlesi and ovale are among the five (*) protozoan species that can cause this disease, which is also caused by the deadly falciparum species. People who are heterozygous for sickle cell anemia are immune to this disease, which is caused by Plasmodium. For 10 points, name this disease carried by the Anopheles mosquito.
ANSWER: malaria <BW> Ed. GC
17. In a novel by this author, a man who is punched by a motorcyclist walks across a bridge when a woman jumps off it; that novel by this author about the lawyer Jean-Baptiste Clamence is titled The Fall. This author included the journalist Raymond Rambert in a novel set in Oran about the title event, which is the focus of $\mathbf{(}^{*}$ ) Bernard Rieux [ree-OO]. Another of this author's novels includes the character Salamano, who abuses his dog, and Raymond Sintes, who wants revenge on his girlfriend; in that novel by this author, an Arab is shot on a beach by Meursault [mer-SO]. For 10 points, name this author The Plague and The Stranger.
ANSWER: Albert Camus [al-BAIR kah-MOO]<BS> Ed. JK
18. The Warumungu and Warlipiri tribes have a very developed version of these constructs compared to other Aboriginal tribes. A system to represent these constructs uses Tab, Dez, and Sig and is named for William Stokoe. One of these constructs called ISN spontaneously developed in a Nicaraguan school. Martha's ( ${ }^{*}$ ) Vineyard had its own version of this construct that died out in 1952. Gallaudet University uses both English and a type of this construct. One of the most basic forms of this construct is finger spelling. For 10 points, name this form of hand communication used mostly by the deaf.
ANSWER: sign language < AH> Ed. GC
19. Gyrth and Leofwine, the brothers of the losing side's leader at this battle, were found dead after this battle, which may have started when Taillefer, the jester of the victor of this battle, killed the first victim of this battle. Three weeks before this battle, its loser defeated Harald Hardrada. Bishop Odo, the half-brother of the victor of this battle, may have commissioned the (*) Bayeux Tapestry, which depicts this battle. The victor at the Battle of Stamford Bridge, Harold Godwinson, was allegedly shot in the eye with an arrow at this battle. For 10 points, name this 1066 victory of the Norman army of William the Conqueror.
ANSWER: Battle of Hastings <AK> Ed. TH
20. A fanfare trumpet named for this opera was specially designed for the instrumentation of this opera's "Triumphal March." A princess in this opera tricks a girl into revealing her love for a man by telling the girl he died in battle. A woman in this opera sings of her homeland in "O patria mia,"and $\mathbf{(}^{*}$ ) Amonasro accidentally finds out secret military plans while his daughter speaks with her lover in this opera. Ramfis orders the trial of a general in this opera, in which two lovers sing "O terra addio" as they are buried alive while Amneris prays for Radames [rah-dah-mes]. For 10 points, name this opera about the title Ethiopian princess by Giuseppe Verdi.
ANSWER: $\underline{\text { Aida }}$ <CS> Ed. TH

Tiebreaker: On the frame of a painting of a woman in red wearing a horned headdress, this artist inscribed the words "As I can." In another of this artist's works, a cherry tree appears outside a window and a feather duster is hung on a wall next to the artist's signature. The Adoration of the Lamb appears in the central panel of an altarpiece completed by this artist and his ( ${ }^{*}$ ) brother Hubert. This artist's most famous work shows a woman in green holding the hand of an Italian merchant. For 10 points, name this Flemish painter of the Ghent Altarpiece and Arnolfini Wedding.
ANSWER: Jan Van Eyck <BS> Ed. TH

## Bonuses

1. This artist depicted ocher and brown horses in Before the Race and created several paintings of women getting out of bathtubs in paintings such as The Tub and After the Bath. For 10 points each:
[10] Name this Impressionist painter who had a close professional relationship with Mary Cassatt.
ANSWER: Edgar Degas [day-gah]
[10] Degas painted three girls in this profession "in yellow skirts" and sculpted one of them "aged fourteen." Degas showed many women of this profession stretching during rehearsal or performing onstage, such as in The Star.
ANSWER: (ballet) dancers [accept ballerinas]
[10] A critic called this Degas work the "perfection of ugliness." In this painting, a woman in a white dress glumly stares at the title green alcoholic drink.
ANSWER: L'Absinthe [or The Absinthe Drinker; or Glass of Absinthe; accept Dans un Cafe; accept Figures at Cafe; accept A Sketch at a French Café] <BL> Ed. TH
2. This group of elements gets its name from the ability of its elements to easily form salts. For 10 points each:
[10] Name this group of elements with seven valence electrons.
ANSWER: halogens [accept Group 17 or Group VIIa]
[10] This element with symbol F and atomic number 9 is the lightest halogen.
ANSWER: fluorine
[10] The halogen fluorine is found in this substance, a polymer of tetrafluoroethene. It has one of the lowest coefficients of friction of any solid.
ANSWER: Teflon [prompt on "PTFE" or "polytetrafluoroethylene"] <AH> Ed. GC
3. Little is known about this man's upcoming film Tenet, which is set to be released in 2020. For 10 points each:
[10] Name this English filmmaker who directed Memento and Interstellar.
ANSWER: Christopher Nolan
[10] Nolan is also known for this 2010 film starring Leonardo DiCaprio as Dom Cobb. This movie involves the infiltration of dreams and is known for folding cities and loud foghorn sound effects.
ANSWER: Inception
[10] Robin Williams and Al Pacino star in this 2002 Nolan film, which involves Pacino's character, Will Dormer, traveling to Alaska to investigate a murder. Throughout this film, Dormer is unable to sleep, leading to deteriorating mental stability.
ANSWER: Insomnia <BW> Ed. JK
4. In a novel by this author, Kadife leads the headscarf girls and kills Zaim [zeem] onstage while performing in a play. For 10 points each:
[10] Name this author who included Ipek [ee-PECK] and the radical Blue in a novel following the poet Ka, who travels to Kars in a blizzard.
ANSWER: Orhan Pamuk
[10] Pamuk is from this country, which he described in the memoir Istanbul.
ANSWER: Republic of Turkey [accept Türkiye Cumhuriyeti]
[10] Pamuk wrote a novel titled for one of these locations "of Innocence." In The Da Vinci Code, Jacques Saunière [so-NEE-ay] is shot in one of these locations and Professor Robert Langdon discovers that the Holy Grail is buried under one of these locations.
ANSWER: museum <BS> Ed. JK
5. According to one legend, after this man's death, his enemies poured molten gold down his throat. For 10 points each:
[10] Name this "richest man in Rome," who formed the First Triumvirate with Julius Caesar and Pompey the Great.
ANSWER: Marcus Licinius Crassus
[10] Crassus was killed after his defeat at this 53 BCE battle. During this battle, Crassus refused to break his testudo formation despite suffering heavy casualties from Surena's arrows.
ANSWER: Battle of Carrhae
[10] This empire defeated Crassus during its namesake wars with Rome. This empire, founded by Arsaces I, won the Battle of Carrhae under Orodes II, with this empire's forces using their namesake "shot" tactic.
ANSWER: Parthian Empire [accept Parthian Shot; prompt on "Arsacid Empire"] <AK> Ed. TH
6. This essay attacks the concept of Meinong's jungle by discussing the present king of France being bald. For 10 points each:
[10] Name this 1905 essay that differentiates between definite and indefinite descriptions.
ANSWER: "On Denoting"
[10] This thinker wrote "On Denoting." Along with Alfred North Whitehead, he tried to prove the statement one plus one equals two without using axioms in the book Principia Mathematica.
ANSWER: Bertrand Arthur William Russell, 3rd Earl Russell
[10] In a thought experiment, Russell imagined a teapot floating in outer space between Earth and Mars to support this idea. This idea is the lack of belief in the existence of any gods.
ANSWER: atheism [do not accept or prompt on "agnosticism"] <AK> Ed. GC
7. When these objects have a hyperbolic orbit, they often originate in the Oort cloud, enter the solar system, and then leave without ever returning. For 10 points each:
[10] Name these celestial objects composed of ice and dust. One named for Edmond Halley is visible from Earth around every 75 years.
ANSWER: comets [accept Halley's comet]
[10] The tails of comets always point away from the sun due to this phenomenon. This stream of charged particles is released from the corona and causes the plasma tails of the comet to deflect.
ANSWER: solar wind [or stellar wind]
[10] Particles from solar wind compose these bands of high-energy particles surrounding Earth that are held in place by Earth's magnetic field.
ANSWER: Van Allen radiation belts <BW> Ed. GC
8. Bondye is the creator god of this religion. For 10 points each:
[10] Name this religion that is sometimes syncretized with Catholicism in Haiti and is based on traditions from West Africa. Priests in this religion are either houngans or mambos.
ANSWER: voodoo [accept vodou; accept vodun]
[10] Voodoo is popular in this U.S. state. This state's version of voodoo places more importance on grisgris [gree-gree], which are talismans for good luck.
ANSWER: Louisiana
[10] In both Haitian and Louisiana voodoo, practitioners communicate with these spirits, such as Papa Legba, who serve as intermediaries to Bondye.
ANSWER: loa [or lwa; accept mystères; prompt on "the invisibles") <AH> Ed. JK
9. In this novel, the preacher Gabriel physically abuses his son and cheats on his wife with Esther. For 10 points each:
[10] Name this novel that follows the adventures of John Grimes on the day of his fourteenth birthday. ANSWER: Go Tell It on the Mountain
[10] Go Tell It on the Mountain was written by this Harlem Renaissance author. This author gave his nephew advice on surviving in the United States as an African American in his essay The Dungeon Shook, which was included in his collection The Fire Next Time.
ANSWER: James Arthur Baldwin
[10] In Everybody's Protest Novel, Baldwin criticized this novel as having "nothing to do with anyone." This novel was subtitled "Life among the Lowly" and sees the title character save Eva from drowning. ANSWER: Uncle Tom's Cabin <BL> Ed. JK
10. In 2019, one of these objects thought to show a "warder" was rediscovered. For 10 points each: [10] Name this kind of object, examples of which were created using walrus ivory and whales' teeth and were found on the Isle of Lewis. Some of these objects depict a seated king or queen.
ANSWER: Lewis chessmen [accept chess pieces; prompt on other answers involving "chess"]
[10] The Lewis chessmen were discovered in the Outer Hebrides in this constituent country of the United Kingdom, where several are displayed at the National Museum in Edinburgh.
ANSWER: Scotland [accept Alba]
[10] Some of the Lewis chessmen depict this kind of warrior, shown biting the tops of their shields. This term was used to describe elite Viking warriors who wore bear pelts and who could enter into a trancelike fury.
ANSWER: berserkers [or berserks; or berserkir] <BL> Ed. TH
11. To enter this place, one must cross a river of scorpions and survive a house of jaguars. For 10 points each:
[10] Name this place, overseen by twelve rulers, including Hun-Came and Vucub-Came. The rulers of this place often tricked visitors by having them address wooden replicas.
ANSWER: Xibalba [shi-BAL-ba] [prompt on "Mayan underworld"; prompt on "place of fear"]
[10] Two characters with this relationship named Hunahpu and Xbalanque [sh-buh-LANG-kuh] were able to identify the real rulers of Xibalba by sending mosquitoes to bite them. Romulus and Remus, the sons of Rhea Silvia and Mars, also had this type of relationship.
ANSWER: Hero twins [or Second Hero Twins; prompt on "brothers"]
[10] The Hero Twins Hunahpu and Xbalanque defeated the rulers of Xibalba in this activity after they replaced Hunahpu's head with a squash. Xibalba was home to a court for this activity.
ANSWER: Mayan ballgame [or Pok-a-tok] <AK> Ed. TH
12. In this fairy tale, a miller claims that his daughter can spin straw into gold. For 10 points each:
[10] Name this fairy tale in which the miller's daughter is saved from execution by the title character, who demands her firstborn in payment. She foils the plot of the title character of this fairy tale when she guesses his name correctly.
ANSWER: "Rumpelstiltskin"
[10] Another fairy tale describes musicians of this town. The musicians, a donkey, dog, cat, and rooster, scare off a band of robbers from a house outside this town, though they never actually reach the town itself.
ANSWER: Bremen [accept "The Bremen Town Musicians" or "The Town Musicians of Bremen"]
[10] A pair of German brothers with this last name collected "Rumpelstiltskin" and "The Bremen Town Musicians" in Children's and Household Tales, which also includes fairy tales like "Rapunzel."
ANSWER: Brothers Grimm [accept Jakob and Wilhelm Grimm] <BS> Ed. JK
13. The public execution of Maketū was one of the first grievances that spurred a member of these people to challenge the British. For 10 points each:
[10] Name these people who were led by Hōne Heke during the Flagstaff War against British forces. ANSWER: Maori
[10] The Flagstaff War was preceded by the signing of this 1840 treaty, in which the Maori confusingly agreed to retain their tino rangatiratanga, or chieftainship, of their lands but ceded their governorship.
ANSWER: Treaty of Waitangi [or Te Tiriti o Waitangi]
[10] The Flagstaff War was fought on the North Island of this Pacific country, whose largest city is Auckland.
ANSWER: New Zealand [or Aotearoa] <AH> Ed. TH
14. One of this man's songs, "In Your Own Sweet Way," was written for his wife, Iola. For 10 points each: [10] Name this man, whose quartet recorded his piece "Blue Rondo à la Turk" for the album Time Out. ANSWER: Dave Brubeck [accept David Warren Brubeck]
[10] Brubeck is often incorrectly credited with composing this jazz standard, which was instead composed by his partner Paul Desmond. This best-selling jazz single of all time is named after its unusual time signature.
ANSWER: Take Five
[10] Dave and Iola Brubeck's musical The Real Ambassadors was created in collaboration with this trumpeter, who was nicknamed "Satchmo" and sang "What a Wonderful World."
ANSWER: Louis Daniel Armstrong <CS> Ed. JK
15. When an electron goes from the n equals two to the $n$ equals one state, the transition is known by this letter. For 10 points each:
[10] Name this Greek letter that also describes a type of radiation in which a helium nucleus is emitted.
ANSWER: alpha
[10] The wavelengths of emission when an electron in an atom undergoes a transition can be calculated by this formula. A namesake constant is multiplied by a difference of inverse squares of the principal quantum number to yield the inverse of wavelength in this formula.
ANSWER: Rydberg formula [or Rydberg constant]
[10] The Rydberg formula applies only to atoms that are "like" this element since it has only one electron in its neutral form. It also has only one proton.
ANSWER: hydrogen $[$ or $\underline{\mathbf{H}]<B W>E d . ~ G C ~}$
16. Lily greets guests as they arrive at Miss Kate and Miss Julia's Christmas party in this short story. For 10 points each:
[10] Name this story in which Greta Conroy reveals to her husband Gabriel that she believes her childhood love Michael Furey died for her.
ANSWER: "The Dead"
[10] "The Dead" ends as this substance falls "faintly through the universe" "like the descent of their last end, upon all the living and the dead."
ANSWER: snow
[10] This Irish author included "The Dead" in the collection Dubliners. He also wrote of Stephen Dedalus and Leopold Bloom in Ulysses.
ANSWER: James Joyce <CS>
17. For 10 points each, answer the following about old American politics.
[10] This political party of John Adams advocated for a strong national government and strong ties with Great Britain. They lost a majority of their influence after the Hartford Convention.
ANSWER: Federalist Party [or Pro-Administration Party]
[10] This party, formed after the Democratic convention refused to endorse the Wilmot Proviso, opposed the expansion of slavery in Western territories. The Barnburners were one of the groups of Democrats that formed this party.
ANSWER: Free Soil Party
[10] This former member of the Anti-Masonic party was the Know-Nothing party's candidate in the 1856 election. This man assumed the presidency after the death of Zachary Taylor.
ANSWER: Millard Fillmore < AK > Ed. TH
18. These cells work alongside progenitor cells as a method for the human body to repair itself. For 10 points each:
[10] Name these cells that can differentiate into many different types of cells. A prominent debate involves the harvesting of these entities from embryos to help develop new treatments.
ANSWER: stem cells [accept embryonic stem cells]
[10] Stem cells are often harvested from these structures, a hollow sphere of cells. They contain the inner cell mass that eventually develops into the embryo.
ANSWER: blastocyst [accept blastula]
[10] Stem cells can also be harvested from blood from this structure. Along with the vitreous humor of the eye, this structure that forms from the allantois is rich in Wharton's jelly.

## ANSWER: umbilical cord <BW> Ed. GC

19. Approximately $90 \%$ of this island's wildlife cannot be found anywhere else on Earth. For 10 points each:
[10] Name this fourth largest island in the world, located in the Indian ocean. Its wildlife includes the silky sifaka and ring- tailed lemur.
ANSWER: Madagascar [accept Republic of Madagascar or Repoblikan'i Madagasikara or République de Madagascar]
[10] Madagascar is separated from mainland Africa by a channel named for this country, which is governed from Maputo.
ANSWER: Republic of Mozambique [or República de Moçambique or Dziko la Mozambiki or Jamhuri ya Msumbiji; accept Mozambique Channel]
[10] In addition to French, this language serves as an official language of Madagascar. Unlike other African languages, it belongs to a language family to which no other African languages belong instead being related to the Austronesian language family.
ANSWER: Malagasy <BW> Ed. BS
20. This piece opens with quiet bassoons and pizzicato low strings playing the main theme, which initially depicts a character tiptoeing but then speeds up to represent his escape. For 10 points each: [10] Name this piece that closes the first of its composer's two Peer Gynt Suites and depicts Peer's encounter with some trolls.
ANSWER: "In the Hall of the Mountain King" [or "I Dovegrubbens Hall"]
[10] The Peer Gynt Suites are the work of this Norwegian composer, who celebrated the 200th anniversary of a playwright's birth with his Holberg Suite.
ANSWER: Edvard (Hagerup) Grieg
[10] Grieg also composed this set of 66 short works for solo piano, which includes Wedding Day at Troldhaugen and begins with Arietta.
ANSWER: Lyric Pieces [accept Lyriske småstykker] <BS> Ed. RC
