

2019 Wayzata Academic Invitational Tournament

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Packet 5

Tossups

1. One character in this opera confesses that her real name is Lucia and that she is unsure why no one calls her that in the aria "Si, mi chiamano." Another character in this opera tries to regain the attention of her former lover by sending off the government minister Alcindoro to buy her a new pair of shoes in the aria (*) "Quando m'en vo." Near the end of this opera, a group of friends make plans to sell earrings and an overcoat for medicine. Rodolfo weeps over Mimi's death from tuberculosis in, for 10 points, what Giacomo Puccini opera about the lives of poor Parisian artists?

ANSWER: *La Bohème* <BL> Ed. TH

2. Alternating dark and light bands known as ogives can form in these objects. These objects move by a combination of internal plasticity and basal slip. As névé [NAY-vuh] compacts into firn, these objects grow in mass by accumulation, and they often lose mass through ablation. When two or more of these things intersect, (*) cirques, hanging valleys, and horns can all form. Till deposited by these entities leads to the formation of eskers, drumlins, and moraines. For 10 points, name these large bodies of ice that come in continental and alpine forms.

ANSWER: glaciers [accept alpine glaciers or continental glaciers; prompt on "ice sheets" before "ice"] <BW> Ed. GC

3. A well-known joke in this country holds that its second-smallest division of Molise [moh-lee-say] "doesn't exist." This country is home to reclaimed marshes called the Maremma, which produce the famed Canino oil. Because of its declining population, such towns as Ollolai in this country are offering houses for only (*) one euro. Lake Garda is in this nation's Dolomite range, and the Apennine mountains form the backbone of this country. For 10 points, name this country through which the Arno, Po, and Tiber Rivers flow, the last of which goes through this country's capital, Rome.

ANSWER: Italy [or Italian Republic or Italia or Repubblica Italiana] <BW> Ed. BS

4. This author wrote a novel about a character who skates on the Thames and writes "The Oak Tree," which was based on Vita Sackville-West. This author considered the fictional sister of an English playwright in an essay concluding that, to write fiction, a woman must have money and a room of her own. A novel by this author includes a section called (*) "Time Passes" and is about a house on the Isle of Skye owned by the Ramsay family. The title character of another novel by this author hears about the suicide of Septimus Smith at her party. For 10 points, name this author of *To the Lighthouse* and *Mrs. Dalloway*.

ANSWER: Virginia Woolf <BS> Ed. JK

5. This artist's debut solo album was originally titled *The Hurting. The Healing. The Loving* but was changed to be self-titled. In this artist's first solo single, she sings, "Let the music warm your body like the heat of a thousand fires." In another single, this singer of "Crying in the Club" sings, "I wish I could pretend I didn't need ya." This artist's song (*) "Señorita" was a collaboration with Shawn Mendes. She sings, "Half of my heart is in" the title location of a hit song featuring Young Thug. For 10 points, name this former Fifth Harmony member and singer of "Havana."

ANSWER: Camila Cabello [or Karla Camila Cabello Estrabao] <BS> Ed. JK

6. An invasion of this country was justified by Operation Canned Goods, which included a staged attack at the Gleiwitz [gly-vitz] radio station. This country's government-in-exile broke off relations with the USSR after the perpetrators of the Katyń [kah-tin] Forest Massacre were uncovered. This country's cavalry never actually attacked (*) tanks with lances at Krojanty [kroh-yawn-tay] during an invasion. This country was invaded nine days after the USSR and Germany signed the Molotov-Ribbentrop Pact. For 10 points, name this Eastern European nation that surrendered in 1939 after the Nazi capture of Warsaw.

ANSWER: Republic of Poland <BL> Ed. TH

7. Sixteen of these works written for piano four hands and dedicated to Eduard Hanslick were composed by Johannes Brahms. Despite supposedly dismissing it as a "cobbler's patch," Beethoven wrote 33 variations on one of these works by Anton Diabelli. The second movement of Tchaikovsky's *Pathétique* Symphony is often described as a (*) "limping" one of these pieces. A virtuoso zither part appears in one called "Tales from the Vienna Woods," which is by the composer of "On the Beautiful Blue Danube." For 10 points, name this genre of dance music in 3/4 ["three four"] time, many examples of which were written by Johann Strauss II.

ANSWER: waltzes <BS> Ed. RC

8. In *Browning-Ferris v. Kelco*, the Supreme Court ruled that a clause of this amendment does not apply "when the government neither has prosecuted the action nor has any right to receive a share of the damages awarded." In *Trop v. Dulles*, this amendment was cited as drawing its meaning from the "evolving standards of decency." In *Roper v. Simmons*, the Supreme Court used this amendment to ban the (*) execution of anyone under 18 when a crime is committed. The prevention of excessive bail and fines falls under, for 10 points, what constitutional amendment that prohibits cruel and unusual punishment?

ANSWER: Eighth Amendment <AK> Ed. GC

9. Paul Pelliot studied items made of this material that were discovered by Wang Yuanlu in the Mogao [muo-gow] Caves. Chinese soldiers captured by the Abbasids at the Battle of Talas produced this material in Samarkand, after which its use spread throughout Asia and Europe. The Tang Dynasty used yellow types of this material for government work and white for legal documents. This invention is credited to a leader of the (*) Imperial Workshop during the Han Dynasty, Cai Lun, who mixed mulberry bark with hemp rags. For 10 points, name this Great Invention of China that was created as a cheap alternative to silk for writing on.

ANSWER: paper [or zhitou] <BL> Ed. TH

10. This process limits the rate of catalytically perfect enzymes. A coefficient describing this process is equal to mobility times temperature times Boltzmann's constant according to the Einstein-Smoluchowski relation. According to Fick's first law, the flux of this process is proportional to the negative of the (*) gradient of concentration. When water undergoes this process, it is called osmosis. For 10 points, identify this process in which particles move from areas of high concentration to low concentration.

ANSWER: diffusion [accept osmosis until read] <BW> Ed. GC

11. A character in this novel demonstrates free will by choosing between running the gauntlet or being shot by the Bulgarian army. Another character in this novel is a mistress of both the Jew Don Issachar [ih-suh-KAR] and the Grand Inquisitor. In this novel, the title character meets an old woman with only one buttock and (*) Jacques the Anabaptist, who dies in a storm caused by an earthquake in Lisbon. A syphilitic tutor in this novel survives an auto-da-fé and insists that "this is the best of all possible worlds"; that character is Pangloss. For 10 points, name this satirical novel by Voltaire.

ANSWER: Candide <CS> Ed. JK

12. An investigation into this event criticized the “laxity” of the British Board of Trade and was led by Senator William Alden Smith. Molly Brown created a Survivors’ Committee after this event, and this incident was partially caused after radio warnings from the *Mesaba* and the *Californian* were ignored. J. Bruce Ismay, the chairman of (*) White Star Line, was criticized for escaping in a lifeboat during this event, which took the lives of Benjamin Guggenheim and John Jacob Astor. For 10 points, name this 1912 disaster in which a supposedly “unsinkable” passenger liner collided with an iceberg.

ANSWER: sinking of the Royal Mail Steamer Titanic [accept equivalents; prompt on partial answers]
<BL> Ed. TH

13. This artist’s most famous photo was retouched in 1939 to remove the main figure’s thumb in the lower right corner. In another work by this artist, a man’s eyes are hidden by his hat and his hands are clasped together as he turns away from the crowd at a San Francisco (*) soup kitchen. This photographer of “White Angel Breadline” stopped at a California pea-pickers camp to take a photograph of Florence Owens Thompson with two children huddled behind her. For 10 points, name this photographer whose work for the Farm Security Administration included the Depression-era image “Migrant Mother.”

ANSWER: Dorothea Lange <BS> Ed. TH

14. A disease named for sharing symptoms with this disease exists in dipsogenic, nephrogenic, and central forms and is often caused by vasopressin deficiencies or signaling defects. This disease can be treated with thiazolidinediones [THY-uh-zo-LYE-din-uh-DYE-oh-nees], GLP-1 receptor agonists, and metformin and is commonly diagnosed by a hemoglobin (*) A1c test, a common glycation product. Obesity and a sedentary lifestyle can lead to the development of the type 2 form of this disease. A resistance to or a deficiency in insulin can cause, for 10 points, what disease characterized by high blood sugar levels?

ANSWER: diabetes mellitus [accept type I diabetes mellitus or type II diabetes mellitus; accept diabetes insipidus; prompt on “DM” or “DI”] <BW> Ed. GC

15. This author wrote about local townspeople like Mayor Orden and Dr. Winter resisting invading Nazis in the novel *The Moon Is Down*. In another novel by this writer, Dora Flood runs the Bear Flag Restaurant in a town whose inhabitants also include Lee Chong and Doc. In a novella by this author of (*) *Cannery Row*, Carlson shoots the cripple Candy’s old dog and the two protagonists dream of living “off the fatta the lan’.” This author wrote a novel about Jim Casy and the Joad family facing the Dust Bowl. For 10 points, name this American author of *Of Mice and Men* and *The Grapes of Wrath*.

ANSWER: John Ernst Steinbeck Jr. <BL> Ed. JK

16. Excimer [EKS-ih-mer] lasers produce light in this region of the spectrum. This region names a situation in which integrals in QED [Q-E-D] diverge as particle energy goes to infinity, one of which occurs in the Rayleigh-Jeans model of blackbody radiation, called this region’s (*) “catastrophe.” The “C” range of this region of light is used in germicidal irradiation since it destroys nucleic acids, which is also why it is the primary cause of melanoma. For 10 points, name this region that lies between X-rays and visible light on the electromagnetic spectrum and causes sunburns.

ANSWER: ultraviolet light [or UV light] <BL> Ed. GC

17. In a play by this author, the title character dresses the Commissioner as a woman and analogizes a city to women weaving wool; in that play by this author, a map is drawn on the body of the naked handmaid Peace. In another work by this author, two writers compete to see whose words have more weight; in that play by this author, the chorus repeats (*) “Brekekekèx koax koax” and the slave Xanthias travels to the underworld with Dionysus. This author wrote a play in which women refuse to have sex to end the Peloponnesian War. For 10 points, name this Greek “Father of Comedy,” who wrote *Lysistrata* and *The Frogs*.

ANSWER: Aristophanes <CS> Ed. JK

18. A ritual during this holiday often involves shopping for sweets like sandesh [sun-desh]. The last part of this holiday celebrates the bond between brothers and sisters. This holiday is sometimes associated with the slaying of the demon Narakasura or, in some regions, Kali. This holiday is celebrated on the darkest night of (*) Kartik [car-thick], which is usually in late October. The third and main day of this holiday is celebrated with the Lakshmi [luck-shmee] puja. Rangoli chalk designs are popular during this holiday and are accompanied by diyas, or clay lamps. For 10 points, name this five-day Hindu “festival of lights.”

ANSWER: **Diwali** [accept **Deepawali** or answers where the “w” is a “v”; prompt on “festival of lights”]
<AH> Ed. JK

19. This country’s Red Terror began in 1976 after a leader smashed three bottles of blood on the ground. Empress Zewditu’s successor was named emperor of this country after the Battle of Anchem, and this country won the siege of Harar after receiving Soviet aid during the Ogaden War. In this country, Mengistu’s communist Derg regime took power from (*) Haile Selassie. Under Menelik II, this country repulsed Italian colonization attempts at the 1896 Battle of Adwa, and this country was again invaded on the orders of Benito Mussolini before the start of World War II. For 10 points, name this African country that has its capital at Addis Ababa.

ANSWER: Federal Democratic Republic of **Ethiopia** [or ye’**Ityop’iya** Federalawi Demokirasiyawi Ripeblik] <AK> Ed. TH

20. This deity was the consort of Lua and Ops, who represented destruction and fertility. The feet of an ivory statue of this god were bound with wool bands, which were untied during this god’s namesake festival; that holiday named for this god saw masters temporarily switch roles with slaves and was an influence of (*) Christmas. This god ruled on Earth in Latium during the Golden Age after he was exiled by his son, and he was often depicted carrying a sickle or scythe. For 10 points, name this agricultural god, the Roman equivalent of Cronus, whose name was given to a ringed planet.

ANSWER: **Saturn** [accept **Saturnalia**; do not accept or prompt on “Cronus”] <BL> Ed. TH

Tiebreaker: This tribe split into the Salingi and Hasdingi tribes, the latter of which aided the Romans in the Marcomannic Wars. A member of this tribe, the half-Roman Stilicho [still-ih-koh], served as the regent for Emperor Honorius before being executed. After this tribe relocated to Africa and conquered (*) Carthage from the Romans, Belisarius defeated this group’s leader Gelimer at the Battles of Ad Decimum and Tricamarum. Under their king Gaiseric, these people sacked Rome in 455. For 10 points, name this Germanic tribe whose name now refers to people who deface property.

ANSWER: **Vandals** <AK> Ed. TH

Bonuses

1. Adherents of this religion are divided into sects called Mansions, which include the Bobo Ashanti and the Twelve Tribes of Israel. For 10 points each:

[10] Name this religion that is sometimes represented by the lion of Judah, which is also a symbol of the Ethiopian monarchy.

ANSWER: **Rastafarianism** [prompt on “Rasta”]

[10] This term is used by Rastafarians to refer to their monotheistic God. Rastafarians believe that Jesus Christ was an incarnation of this figure.

ANSWER: **Jah** [or **Yah**]

[10] In keeping with the Book of Leviticus, many Rastafarians abstain from eating this food, the most commonly eaten meat in the world. This meat is also considered haram in Islam.

ANSWER: **pork** [accept **pig** or equivalents] <BL> Ed. JK

2. This collection is framed as a series of stories told to Shahryar, who hangs one of his brides every morning. For 10 points each:

[10] Name this collection, which includes a story in which the servant girl Morgiana kills robbers by pouring hot oil onto them and which was famously translated into French by Antoine Galland.

ANSWER: *The **Thousand and One Nights** or **Arabian Nights*** [or ***Alf layla wa-layla***; accept ***One Thousand and One Nights*** or *The Book of the **Thousand Nights and a Night*** or *The **Thousand and One Arabian Nights***]

[10] This brother of Ali Baba forgets the command to get out of a gold-filled cave. This character is killed by robbers when they find him.

ANSWER: **Cassim**

[10] After being abandoned on an island, Sinbad the Sailor finds an egg laid by one of these giant mythical birds. He uses his turban to attach himself to the leg of one of these birds, making his escape.

ANSWER: **roc** <BS> Ed. JK

3. The eruption of Huaynaputina in Peru may have been the cause of a massive famine during this period. For 10 points each:

[10] Name this period that started with the fall of the Rurik Dynasty and ended with the ascension of Michael I Romanov to the throne.

ANSWER: **Time of Troubles** [or **Smutnoye Vremya**; do not accept or prompt on “The Troubles”]

[10] The Time of Troubles plagued this country, many of whose rulers called themselves “tsars.”

ANSWER: **Russia** [or the **Russian Empire**; do not accept or prompt on “USSR” or “Soviet Union”]

[10] Michael I was appointed tsar by the Zemsky Sobor, a governing body composed of the nobility, clergy, and merchant classes, which was founded by this other tsar. This tsar also founded the Oprichniki bodyguards to repress the boyars.

ANSWER: **Ivan the Terrible** [or **Ivan Grozny**; or **Ivan Vasilyevich**; or **Ivan IV**; prompt on **Ivan**] <AK> Ed. TH

4. This organ contains the semicircular canals and the three smallest bones in the human body. For 10 points each:

[10] Name this sensory organ that is used for hearing.

ANSWER: **ear**

[10] This spiral structure in the inner ear contains hair cells and converts sound waves to electrical signals. The organ of Corti is located within the scala media of this structure.

ANSWER: **cochlea** [kok-lee-uh]

[10] The organ of Corti is made of this type of animal tissue, which lines the surfaces of blood vessels and organs.

ANSWER: **epithelial** tissue [or **epithelium**; or **epithelial** cells] <AH> Ed. GC

5. Rolling Stone ranked this album at number twelve in their "500 Greatest Albums of All Time," the highest of any jazz album. For 10 points each:

[10] Name this best-selling jazz album of all time. Its best known songs include "So What" and "Flamenco Sketches."

ANSWER: Kind of Blue

[10] *Kind of Blue* is an album by this jazz trumpeter. His 1970 album *Bitches Brew* helped revive the popularity of jazz music in America.

ANSWER: Miles Davis

[10] Davis followed *Kind of Blue* with this album. This album's song "Will o' the Wisp" is taken from the ballet *El amor brujo* by Manuel de Falla. This album's title references de Falla's home country.

ANSWER: Sketches of Spain <BW>

6. Sir William Stanley's reinforcements turned the tide of this battle. For 10 points each:

[10] Name this 1485 battle, during which forces under the future Henry VII defeated Richard III.

ANSWER: Battle of Bosworth Field

[10] The Battle of Bosworth Field ended this conflict, a civil war between the houses of Lancaster and York.

ANSWER: Wars of the Roses

[10] Although the Battle of Bosworth Field ended the Wars of the Roses, Henry VII faced more strife from this pretender who claimed to be one of the lost "princes in the Tower." James IV of Scotland gave this man a warm welcome, but this man was ultimately hanged by Henry VII.

ANSWER: Perkin Warbeck <AK> Ed. TH

7. This man denied the existence of irrational numbers even though his namesake theorem proved them. For 10 points each:

[10] Name this man who names a theorem for measuring the hypotenuse of right triangles, represented by the formula "a squared plus b squared equals c squared."

ANSWER: Pythagoras [accept Pythagorean theorem]

[10] This trigonometric law is an extension of the Pythagorean theorem. For a triangle ABC, it states "c squared equals a squared plus b squared minus two a b times" its namesake function of the angle C.

ANSWER: law of cosines

[10] The area of a triangle can be determined using this formula. It states that the area squared is equal to "s times s minus a times s minus b times s minus c," where s is the semiperimeter.

ANSWER: Heron's formula [accept Hero's formula] <AH> Ed. GC

8. In *Captain Marvel*, the tesseract is placed in a lunch box featuring images from this show. For 10 points each:

[10] Name this show from the 1970s and 80s that idealized 1950s and 60s life in the Midwest. This show's best-known character is Arthur "Fonzie" Fonzerelli.

ANSWER: Happy Days

[10] Before focusing on the Fonz, the first two seasons of *Happy Days* instead focused on Richie Cunningham, who was played by this man. This man also directed *Apollo 13* and *Solo*.

ANSWER: Ron Howard

[10] A spinoff of *Happy Days* that was set in the 1960s and regularly included musical performances is titled "Joanie Loves" this character. On *Happy Days*, this character is Fonzie's cousin and was played by Scott Baio.

ANSWER: Charles "Chachi" Arcola [prompt on "Charles"; prompt on "Arcola"]

<BW> Ed. JK

9. The main character of this story is sent to jail after he refuses to leave his job after being fired. For 10 points each:

[10] Name this short story. The title character of this story, who works in the Dead Letter Office, repeats the phrase "I would prefer not to" when asked to do just about anything.

ANSWER: "**Bartleby, the Scrivener**: A Story of Wall Street"

[10] This author of "Bartleby, the Scrivener" included the story in his collection *Piazza Tales*. A novel by this author follows Captain Ahab and his obsessive hunt for the whale Moby Dick.

ANSWER: Herman **Melville**

[10] In another short story by Melville, a man who sells these objects visits the narrator during a thunderstorm. The man warns not to touch bell-wires or stand next to tall men and sells these objects for "one dollar a foot."

ANSWER: **lightning rods** [accept "The **Lightning-Rod Man**"] <CS> Ed. JK

10. This modern day province had its capital at Annapolis Royal until 1749. For 10 points each:

[10] Name this maritime province that was formerly known as Arcadia and that has its capital at Halifax.

ANSWER: **Nova Scotia**

[10] Nova Scotia is separated from New Brunswick by this body of water. It has the highest tidal range of any body of water.

ANSWER: Bay of **Fundy**

[10] With Nova Scotia and New Brunswick, this other province constitutes the three maritime provinces of Canada. It is the most densely populated province in the nation.

ANSWER: **Prince Edward Island** [accept **PEI**] <BW> Ed. BS

11. Scholars have been aided in dating this triptych by the presence of a pineapple in its central panel, as pineapples were introduced to Europe only after the beginning of transatlantic trade. For 10 points each:

[10] Name this triptych that depicts Adam and Eve in its left panel, while its central panel presents nudes dancing and eating fruit.

ANSWER: *The **Garden of Earthly Delights***

[10] This Netherlandish artist painted *The Garden of Earthly Delights* as well as *Ship of Fools*.

ANSWER: Hieronymous **Bosch** [accept Jheronimus **van Aken**]

[10] Another Bosch triptych of this name shows Jesus sitting in heaven as sinners are tortured by large blades and colorful machines. Daniele da Volterra used fig leaves to cover up exposed genitals in a Renaissance painting of this name.

ANSWER: *The **Last Judgement*** [or ***Il Giudizio Universale***; prompt on "The **Day of the Lord**"; prompt on "Second **Coming of Christ**"] <BL> Ed. TH

12. This theory predicts the existence of time dilation and length contraction. For 10 points each:

[10] Name this 1905 theory postulated by Albert Einstein. This theory applies only when spacetime is flat, unlike a similar general theory.

ANSWER: theory of **special relativity** [or **SR**; prompt on "**relativity**"; do not accept or prompt on "general relativity" or "GR"]

[10] In special relativity, dividing proper length by this quantity gives the apparent length in length contraction.

ANSWER: **Lorentz** factor [or **gamma**]

[10] Special relativity was supported by this 1887 experiment, which used an interferometer and disproved the existence of the luminiferous aether.

ANSWER: **Michelson-Morley** experiment <BW> Ed. GC

13. For 10 points each, name these writers who used drugs.

[10] This author's essays include "The English Mail Coach" and "On the Knocking at the Gate in Macbeth." His most famous work tells of his addiction to laudanum.

ANSWER: Thomas **De Quincey** (That work is *Confessions of an English Opium-Eater*.)

[10] This author's book *The Doors of Perception* details his experiences with the drug mescaline. In his novel *Brave New World*, residents of the World State take the drug soma.

ANSWER: Aldous **Huxley**

[10] This author of many conversation poems wrote about a "damsel with a dulcimer" and the sacred river Alph in a poem that was inspired by an opium-induced dream.

ANSWER: Samuel Taylor **Coleridge** (The poem is "Kubla Khan.") <BS> Ed. JK

14. The "trio" section of one of this composer's works was paired with lyrics written by A. C. Benson to create the British patriotic song "Land of Hope and Glory." For 10 points each:

[10] Name this English composer whose *Pomp and Circumstance* Marches are often played at graduation ceremonies.

ANSWER: Edward (William) **Elgar**

[10] A 1960 recording by Jacqueline Du Pré popularized Elgar's E Minor Concerto for this large, low-pitched string instrument, which is also played by Yo-Yo Ma.

ANSWER: **cello** [or **violoncello**]

[10] This Elgar composition comprises fourteen musical sketches of his friends; for example, the movement "Nimrod" is dedicated to Elgar's music editor Augustus J. Jaeger.

ANSWER: **Enigma Variations** [accept **Variations on an Original Theme, Op. 36**] <CS> Ed. RC

15. Israeli forces raided this nation's Entebbe airport, where many hostages from a hijacked Air France plane were being held. For 10 points each:

[10] Name this African country. The "uncrowned king of Scotland" Idi Amin overthrew Milton Obote to lead this country.

ANSWER: Republic of **Uganda** [or Jamhuri ya **Uganda**]

[10] Idi Amin was ousted following his attempted annexation of the Kagera region of neighboring Tanzania, which was led at the time by this man. This man issued the Arusha Declaration to forward his socialist views, termed *ujamaa*.

ANSWER: Julius Kambarage **Nyerere** [nye-RARE-ee]

[10] In this other African nation, Mobutu Sese Seko took power after neutralizing the authority of Patrice Lumumba. Laurent-Désiré Kabila later overthrew Sese Seko to become the third president of this nation.

ANSWER: **Democratic Republic of the Congo** [or **DRC**; or **Zaire**; or **Congo Free State**; do not accept or prompt on "Republic of the Congo"] <AK> Ed. TH

16. The title character of a novel by this author has an affair with the merchant Panfilo. For 10 points each:

[10] Name this author of *The Elegy to Lady Fiammetta* as well as a collection of 106 biographies in *On Famous Women*. A collection by this author inspired John Keats's poem *Isabella, or the Pot of Basil*.

ANSWER: Giovanni **Boccaccio**

[10] Boccaccio is the author of this collection, which centers on ten youths from Florence fleeing the plague. In this work, Dioneo tells the story of Griselda, who has her loyalty tested by her husband.

ANSWER: **Decameron**

[10] In the *Decameron*, Federigo cooks a prized one of these animals to win the affection of a woman. In another novel, Brigid O'Shaughnessy and the detective Sam Spade search for a statuette of this type of animal.

ANSWER: **falcon** [accept *The Maltese Falcon*; prompt on "bird"] <BS>

17. Flocculation can lead to the destabilization of these systems. For 10 points each:

[10] Name these homogeneous mixtures that consist of small particles suspended in a different substance. They are contrasted with suspensions and solutions.

ANSWER: **colloids**

[10] Colloids scatter light of shorter wavelengths more strongly than light of longer wavelengths, causing them to appear blue, due to an effect similar to Rayleigh scattering that is given this name.

ANSWER: **Tyndall** effect

[10] Gels are colloids in which a substance of this phase is suspended in a solid. Substances in this phase take on the shape of their container but have a nearly constant volume.

ANSWER: **liquids** <BW> Ed. GC

18. Don't drink and drive, kids. For 10 points each:

[10] Name this policy enacted through the passage of the Eighteenth Amendment and poorly enforced by the Volstead Act, which was originally drafted by Wayne Wheeler.

ANSWER: **Prohibition** [accept answers that describe the banning or illegality of **alcohol**]

[10] The 0.5% alcohol-by-volume standard established by the Volstead Act was raised to 3.2% through this 1933 bill. After this bill was passed, Franklin Roosevelt famously said, "I think this would be a good time for a beer."

ANSWER: **Cullen-Harrison** Act

[10] The Volstead Act was officially made void after the passage of this amendment, which repealed the Eighteenth Amendment, ending Prohibition.

ANSWER: **Twenty-First** Amendment <AK> Ed. TH

19. A center of worship of this god was located on Lemnos, perhaps due to the presence of lava soil and nearby volcanic activity in the past. For 10 points each:

[10] Name this god, who was hurled out of the heavens by his mother for his ugliness and lameness.

ANSWER: **Hephaestus** [or **Hephaistos**]

[10] In the *Iliad*, Hephaestus praises this nymph for caring for him after he was cast out of Olympus. An incident at this nymph's wedding to Peleus sparked the Trojan War.

ANSWER: **Thetis**

[10] Although his cult was on Lemnos, Hephaestus was also believed to have his workshop under this mountain. The monster Typhon was imprisoned within this volcano.

ANSWER: Mount **Etna** <BL> Ed. TH

20. The beetle-in-a-box thought experiment is meant to refute the existence of a private one of these structures. For 10 points each:

[10] Identify these constructs, which include Spanish and English.

ANSWER: **languages** [or private **languages**]

[10] This philosopher's posthumously published *Philosophical Investigations* presents the beetle-in-a-box experiment. He also wrote the *Tractatus Logico-Philosophicus*.

ANSWER: Ludwig Josef Johann **Wittgenstein**

[10] This Algerian-born philosopher developed a semiotic analysis known as deconstructive criticism in his work *Of Grammatology*. He also wrote *Speech and Phenomena*, in which he coined the term "différance."

ANSWER: Jacques **Derrida** <AK> Ed. GC