

**2021 AQBL February  
Packet 10**

- 1. In a photo of a gang from this city, a man in a bowler hat stands at the side of a building and an old woman leans her head out a window. *Bandit's Roost* is a photograph from this city, where a Paul Strand photograph depicts out-of-focus men and women walking past large dark windows on the title street. In this city, Diane Arbus took a photo of a child holding a toy hand (\*) grenade, and Annie Liebovitz photographed John Lennon naked next to Yoko Ono in this city hours before his death. Charles Ebbets's photograph *Lunch atop a Skyscraper* is from, for 10 points, what city, where Alfred Eisenstadt photographed a sailor kissing a stranger in Times Square?**  
ANSWER: **New York** City, New York (or **NYC**) <MB, Other Fine Arts>
- 2. This man won the 1904 Nobel Prize for Medicine with research involving the implementation of fistulas. This man studied the body's response to overwhelming stimuli such as shocks in the field of transmarginal inhibition. Studies of the digestive system were results of an experiment conducted by this man in which a (\*) bell was actually not used as a signal. In that experiment run by this man, the subject's glands secreted fluid without introducing any food. For 10 points, name this Russian whose experiments with dogs formulated the idea of classical conditioning.**  
ANSWER: Ivan **Pavlov** <AK, Social Science>
- 3. One character in this novel complains his friend is "dancing with the only handsome girl in the room." Another character in this novel gets a fever after she is sent out on horseback in the rain by her mother, forcing her to stay at a suitor's estate overnight. At the end of this novel, Lady Catherine de (\*) Bourgh demands that the protagonist turn down a proposal; that protagonist of this novel had earlier rejected a proposal from the reverend Mr. Collins. Mr. Wickham runs off with Lydia and Jane marries Mr. Bingley in this novel. For 10 points, name this Jane Austen novel in which Elizabeth Bennet marries Mr. Darcy.**  
ANSWER: **Pride and Prejudice** <MB, British Literature>
- 4. This elemental group's most newly discovered element is named after the state of Tennessee. Six atoms of an element from this group bond to uranium to form "hex", a compound used to enrich uranium. Magnesium, an organic group, and a member of this group form Grignard reagents. Lugol's solution contains a member of this group bonded to (\*) potassium. This group's elements are always found as diatomic molecules, and this group contains the most electronegative element. A member of this group can be used to clean swimming pools. For 10 points, name the group of the periodic table that contains fluorine and chlorine.**  
ANSWER: **halogens** [accept **Group 17** or **Group 7A** or **Group VII A**] <CS, Chemistry>
- 5. Chapter 19 of the document governing this entity established panel review for countervailing duty and antidumping disputes, including a longstanding dispute over softwood lumber. Carlos Salinas de Gortari and Brian Mulroney helped create this entity, while another leader stated that it "means jobs." On the day that this entity went into effect, the Zapatista Army launched a 12-day rebellion. The phrase "giant sucking (\*) sound" was used to describe the consequences of the creation of this entity, which was opposed by Ross Perot. Maquiladoras proliferated following the 1994 signing of, for 10 points, what free trade agreement between the U.S., Canada, and Mexico?**  
ANSWER: **North American Free Trade Agreement** (or **NAFTA**; accept **North American Free Trade Zone**) <MB, Other History>

6. **In a novel set in this country, the protagonist falls in love with a ship's figurehead named "niobe". A character in a novel set in this country vividly cries after hearing a woman say "Klopstock!" In this country, a character is locked in asylum after discovering Sister Dorothea's severed finger; that glass-piercing (\*) three-year old who refuses to grow is Oskar Matzerath. In another novel from this country, the title character commits suicide after Albert marries Lothe. For 10 points, name this setting of Gunter Grass' *Tin Drum* and Johann Wolfgang Von Goethe's *The Sorrows of Young Werther*.**  
ANSWER: Federal Republic of Germany <AK, European Literature>
7. **In one interlude by this composer, a flute evokes birdcalls and opposing horns imitate church bells. This composer of "Sunday Morning" placed "Dawn" after a duet between the title character and Ellen Orford. Four *Sea Interludes* are included in an opera by this composer that ends with the title (\*) fisherman drowning himself. Variations on a theme from Abdelazer by Henry Purcell are played separately by each family of instruments in a work by this composer. For 10 points, name this British composer of *Peter Grimes* and *The Young Person's Guide to the Orchestra*.**  
ANSWER: Benjamin Britten <MB, Auditory Fine Arts>
8. **It's not at the end of a dinner, but the song *L'Shana Haba'ah* is often sung at the end of this holidays *Ne'ila* service. The kapparot ritual practiced on the eve of this holiday involves the swinging of a chicken above a person's head, after which the chicken is slaughtered and given to charity. A prayer recited during the (\*) Kol Nidre service for this holiday classifies 44 different varieties of sin, and the days before this holiday are known as the Days of Awe. For 10 points, name this holiest Jewish holiday, which falls 10 days after Rosh Hashanah and is known as the Day of Atonement.**  
ANSWER: Yom Kippur (prompt on Day of Atonement before mention) <AE, Religion>
9. **A military route known as this country's "road" ran through Savoy and Lorraine in between Milan and Flanders, though France blocked the passage of this country's general Ambrogio Spinola in 1601. Another general for this country set up the Council of Troubles, also known as the Council of Blood, after being sent to end the (\*) *Beeldenstorm* [Be-el-den-storm]. A fleet from this country was attacked by Francis Drake at Cadiz and later defeated at Gravelines. Troops from this country fought those under William the Silent in the Eighty Years' War, also known as the Dutch revolt. For 10 points, name this country led by Philip II, who sent an armada to invade England.**  
ANSWER: Kingdom of Spain <MB, European History>
10. **In frogs, cytostatic factor halts this process. Patau syndrome is caused by a failure in the first stage of this process. In the diakinesis stage of this process, tetrads become visible. Parthenogenesis is an alternative pathway to this process. In this process, Robertsonian translocation occurs when (\*) chromosomes become attached to each other. Nondisjunction in this process causes a trisomy of chromosome 21. Homologous chromosomes are separated to opposite sides of the cell in anaphase I of this process. This process takes place in germ cells. For 10 points, name this type of sexual reproduction that forms gametes.**  
ANSWER: meiosis [prompt on sexual reproduction; anti-prompt on meiosis I or meiosis II] <CS, Biology>

11. **Because of his statements about this company, Keith Gill, known on Youtube as Roaring Kitty, is testifying in front of the House Financial Services Committee on February 18. Ryan Cohen, the former CEO of Chewy, is on the board of this company. Citron Research announced it would discontinue a section of its services after a controversy based on this retailer. The hedge (\*) fund Melvin Capital lost 53% of its assets in a trade of this retailer's stock, whose purchase was suspended on Robinhood on January 28. For 10 points, name this electronics retailer whose stock price soared from \$20 to \$483 in January.**

ANSWER: GameStop <MB, Current Events>

12. **This figure wore a modified MAGA hat to call for the arrest of the police officers after the murder of Breonna Taylor. In August 2020, this proponent of the "I Promise Initiative" helped orchestrate a boycott following the shooting of Jacob Blake with the Milwaukee Bucks. President Obama joined this figure on *The Shop* to congratulate him on the 2020 NBA (\*) title after three months in the bubble. This player paid to renovate an arena at St. Vincent - St. Mary High School in Akron, Ohio, where he played before he was drafted by the Cleveland Cavaliers. For 10 points, name this Los Angeles Lakers forward.**

ANSWER: LeBron James [accept either] <AK, Pop Culture>

13. **One poem about this conflict describes soldiers who "each with musing soul retire to celebrate / our dear commander's death," and opens with the line "hush'd be the camps today." Another poem about this conflict describes "forty flags with their silver stars / forty flags with their crimson bars" and is titled for a figure who states "shoot, if you must, this old gray head / but spare your (\*) country's flag." The narrator of another poem about this conflict visits Boston Common and describes "Colonel Shaw / and his bell-cheeked Negro infantry," the 54th Massachusetts. For 10 points, name this conflict, the subject of "Barbara Frietchie" and "Ode to the Union Dead."**

ANSWER: American Civil War [accept equivalents] <MB, American Literature>

14. **An organization in this country used female operatives to plant bombs until they lost the Battle of the Casbah. The OAS, which was founded by Pierre Lagayette, operated in this country, where General Jacques Massu was criticized for his use of torture. The Evian Accords ended an independence conflict in this modern-day country, where the FLN and MNA conducted bomb attacks in the (\*) cafe wars. The May 1958 Crisis, after which the Fifth Republic was established, took place during a conflict in this modern-day country. Many French *pied-noirs* fled, for 10 points, what North African country with capital Algiers?**

ANSWER: People's Democratic Republic of Algeria <MB, World History>

15. **Athens' Temple of Hephaestus was originally named for this hero because it was thought his remains had been brought there from Skyros. This man's second wife, Phaedra, was the sister of his first wife, whom he had deserted on Naxos. One of this figure's six labors involved killing the Eleusian wrestler Cercyon, while in another, he slew the (\*) robber Sinis by having two bent pine trees rip him apart. This man's father Aegeus drowned himself after seeing a ship with black sails. This man killed a son of Pasiphaë [puh-SIH-fuh-ee] by using a ball of string to navigate the Labyrinth on the advice of Ariadne. For 10 points, name this founding hero of Athens who slew the Minotaur.**

ANSWER: Theseus <CL, Mythology>

16. **It's not Atlanta, but Ralph Abernathy led this city's First Baptist Church, while Martin Luther King Jr. led its Dexter Avenue Baptist Church. The Supreme Court *Browder v. Gayle*, whose plaintiffs included Claudette Colvin, struck down a segregation law in this city following a protest in which black (\*) taxi drivers lowered their fares to 10 cents, the same price charged by this city's City Lines Company. Martin Luther King Jr. led a 1965 march from Selma to this city. For 10 points, name this site of a 1956 bus boycott, the capital of Alabama.**  
ANSWER: Montgomery, Alabama <MB, American History>
17. **The Sokolov-Ternov effect occurs when these particles or their antiparticles move at high energy in a magnetic field, and a Townsend discharge begins with the acceleration of these particles in an electric field. The diffraction pattern that resulted when Davisson and Germer (\*) fired these particles at a nickel crystal proved the de Broglie hypothesis. These particles were discovered by J.J. Thomson using cathode rays, and they "orbit" the nucleus in the Bohr Model. The antiparticle of the positron is, for 10 points, what negatively charged subatomic particle?**  
ANSWER: electrons <AN, Physics>
18. **This artist included oversized eyes, a black patina, and two hands on which the subject rests her head in his bust of Margit Pogany, while a similarly-designed head lies on its side in his *Sleeping Muse*. A war monument by this artist includes twelve hourglass-shaped seats surrounding the *Table of Silence* and a stack of sixteen (\*) rhomboidal pieces that make up the *Endless Column*. Tapered bronze cylinders evoke the title creature in a series by this artist that was taxed as metal after a customs battle. For 10 points, name this Romanian sculptor of *Bird in Space*.**  
ANSWER: Constantin Brancusi [pr. Bran-coosh, but pronunciation as spelled is always acceptable] <MB, Visual Fine Arts>
19. **Two of these things are the inputs to the Karatsuba algorithm. These things are divided into sections of 1, 8, and 23 bits, including a significand, when expressed in single-precision form. IEEE 754 established the floating-point standard for expressing these things, which are often converted to their two's complement notation. In C, all primitive data types besides char represent these things. A value of (\*) NaN [spell out] represents "not" one of these things, which can be stored in types such as long and double. For 10 points, "whole" examples of what data type can be expressed as an integer?**  
ANSWER: numbers (accept floating-point number; antiprompt on float, double, long, or integer before mention) <WZ, Computer Science>
20. **This novel ends with the protagonist entering a van driven by a group of unknown men, followed by an epilogue in which a male professor makes fun of a female colleague. Earlier in this novel, the protagonist sees her friend Moira working at a brothel run by a government established by the Sons of Jacob and opposed by the Mayday Resistance. That protagonist's affair with Nick is encouraged by (\*) Serena Joy, the wife of the "Commander," a member of the ruling class of this novel's Republic of Gilead. Offred is the title woman in, for 10 points, what novel by Margaret Atwood?**  
ANSWER: *The Handmaid's Tale* <MB, Other Literature>

### Tiebreaker/Extra Question

**In this book, after two “wise men” fail to replicate a miracle, they tell a man whose “heart was hardened” that “this is the finger of God.” This book, whose events are depicted in the song “Dayenu,” features the craftsman Bezalel, who constructs the Ark of the Covenant. In this book, a baby who was found in a (\*) river grows up to defy a ruler who issues a proclamation to drown all male babies in the Nile. During this book’s title event, the Ten Commandments are revealed and the Red Sea is parted by Moses. For 10 points, name this Old Testament book describing the Israelites’ departure from Egypt.**

ANSWER: Book of Exodus (or Shemot; or Names) <CL, Tiebreakers>