Scobol Solo 2018
Packet 8 (Round 8)

1. One king with this first name took part in an unsuccessful rebellion called the Praguerie [PRAH-guh-ree] against his father Charles VII [7] and became known as the "Universal Spider". Two kings with this first name were advised by Abbot Suger [soo-zhay], who chronicled their reigns; one of them was the first husband of Eleanor of Aquitaine. Another king with this first name appointed Jacques Necker [nek-AIR] as his finance minister and was executed along with his wife Marie Antoinette during the French Revolution. Give this first name of many French kings, including the ruler from 1643 to 1715 who was nicknamed the "Sun King".

   Answer: <u>Louis</u> [loo-ee] [accept <u>Louis</u> VII or <u>Louis</u> XI or <u>Louis</u> XVI or <u>Louis</u> XIV]
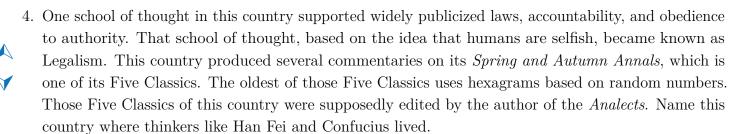
2. In 2015, the species *naledi* was recognized as part of this genus [JEE-nus]. The earliest known member of this genus is often found with remains of the Oldowan industry. Species in this genus are noted for the expansion of Broca's [BROH-kuh'z] area. This genus descends from Australo·pithecus [AW-struh-loh-PITH-ih-kuss], with the distribution of its largest species explained by the "Out of Africa" theory. Many important specimens of this genus have been discovered in Tanzania [tan-zuh-NEE-uh] at Olduvai Gorge by the Leakey family. The hobbits of Flores island, *habilis*, and *erectus* were all members of this genus, as were the Neanderthals. Name this genus whose only living species is the modern human, or *sapiens*.

   Answer: <u>Homo</u> [accept <u>human</u>s or <u>human</u> beings before "human"; do not accept "Homo floresiensis" or "Homo habilis" or "Homo erectus" or "Homo sapiens"]

3. This author wrote about Monsieur Maillard's system of soothing leading to a group of inmates running an asylum in the story "The System of Doctor Tarr and Professor Fether". In another story by this writer, a character uses green spectacles to disguise his eye and purposefully leaves behind a snuff-box so that he has an excuse to return to a minister's apartment. That story, "The Purloined Letter", is the last of this author's three stories about the detective C. Auguste Dupin ["C" oh-goost doo-pan]. In another story by this writer, the narrator asks "Why will you say that I am mad?" before telling the story of when he dismembered a body and buried it below a house's floorboards. Name this American author of "The Tell-Tale Heart".

   Answer: Edgar Allan <u>Poe</u>

4. One school of thought in this country supported widely publicized laws, accountability, and obedience to authority. That school of thought, based on the idea that humans are selfish, became known as Legalism. This country produced several commentaries on its *Spring and Autumn Annals*, which is one of its Five Classics. The oldest of those Five Classics uses hexagrams based on random numbers. Those Five Classics of this country were supposedly edited by the author of the *Analects*. Name this country where thinkers like Han Fei and Confucius lived.

Answer: <u>China</u> [or <u>Zhongguo</u>]

5. This war was fought soon after a politician was criticized in a letter written by Enrique Dupuy de Lôme [en-reek-ay doo-pwee de lohm], sparking a movement whose motto was "Go Home De Lôme". U.S. diplomacy at the end of this war was affected by the Teller Amendment, which was put in place because of the sugar market and replaced after this war by the Platt Amendment. This war started well for the United States with George Dewey's victory at the Battle of Manila Bay. The U.S. was also successful at this war's Battle of San Juan Hill, which was fought by the Rough Riders. Name this war fought in 1898 after the explosion of the U.S.S. *Maine* in Havana Harbor.
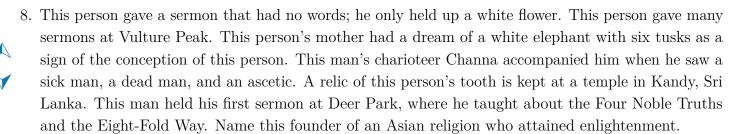
Answer: <u>Spanish-American</u> War

Check the score.

6. A Strömgren sphere is the existence of an ionized form of this element around a star, such as in the Rosette nebula. The combination of an ion of this element with cyanide was found surrounding 55 Cancri e [KAN-kree "E"], the first exoplanet to have its atmosphere analyzed. The space shuttles used a combination of liquid oxygen and the liquid form of this element for fuel. The CNO cycle uses up this element. This is the most abundant element in the Sun and in the universe. The fusion of two different isotopes of this element in the Sun creates helium. Name this simple element that has only one proton.

Answer: <u>hydrogen</u> [or <u>H</u>]

7. Ted Hughes called these animals "Grey silent fragments of a grey silent world" in a poem that describes ten of these animals standing "megalith-still". In another poem, one of these animals "must think it queer to stop without a farmhouse near" and then "gives his harness bells a shake to ask if there is some mistake". Those lines are from Robert Frost's "Stopping by Woods on a Snowy Evening". A famous line about these animals is spoken to Catesby by William Shakespeare's Richard III. Name this animal that Richard offered to trade "my kingdom for".

Answer: (a) <u>horse</u>(s)

8. This person gave a sermon that had no words; he only held up a white flower. This person gave many sermons at Vulture Peak. This person's mother had a dream of a white elephant with six tusks as a sign of the conception of this person. This man's charioteer Channa accompanied him when he saw a sick man, a dead man, and an ascetic. A relic of this person's tooth is kept at a temple in Kandy, Sri Lanka. This man held his first sermon at Deer Park, where he taught about the Four Noble Truths and the Eight-Fold Way. Name this founder of an Asian religion who attained enlightenment.

Answer: <u>Siddhartha</u> <u>Gautama</u> [accept either; accept the <u>Buddha</u> or <u>Shakyamuni</u> Buddha]

9. A photograph by this artist shows the moon floating above swirling clouds above a graveyard. Fred Archer and this person created a system that uses 11 symbolic tones, called the Zone System. This photographer's book *Born Free and Equal* consists of photographs he took at the Manzanar internment camp. This photographer and Willard van Dyke founded a photography group named after a particularly small aperture: group $f/64$ ["f-stop 64"]. Name this photographer who created *Moon and Half Dome* and many other photos of Yosemite National Park.

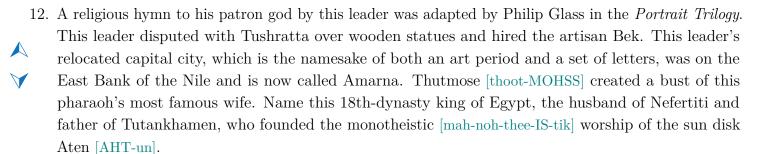Answer: Ansel (Easton) <u>Adams</u>

10. The reversal of this physical quantity is called conjugation. The laws of physics are preserved under the combination of this quantity's conjugation, parity transformation, and time reversal, though the weak interaction is changed by one or two such changes. The amount of energy stored in a capacitor equals $\frac{1}{2}$ times this quantity times electric potential difference. Electric field strength is measured by dividing the force on an object by this property of the object. Electric current is the rate of flow of this quantity. This property for a proton or electron is 1.6×10^{-19} ["1.6 times 10 to the minus 19th"] coulombs. Name this quantity that is proportional to the imbalance between an object's number of protons and number of electrons.

Answer: electric <u>charge</u>

Check the score.

11. A character in this novel says his horses "are wanted in the farm much oftener than I can get them"; later Jane gets sick because she rode on horseback in the rain rather than taking a coach. Jane's illness causes people to call for Mr. Jones, the apothecary of Meryton, to see Jane at Netherfield. In this novel, Jane is the oldest of five sisters and eventually marries Charles Bingley. Jane's sister Elizabeth, the protagonist of this novel, marries Fitzwilliam Darcy. Name this novel by Jane Austen about the Bennet sisters.

Answer: *<u>Pride and Prejudice</u>*

12. A religious hymn to his patron god by this leader was adapted by Philip Glass in the *Portrait Trilogy*. This leader disputed with Tushratta over wooden statues and hired the artisan Bek. This leader's relocated capital city, which is the namesake of both an art period and a set of letters, was on the East Bank of the Nile and is now called Amarna. Thutmose [thoot-MOHSS] created a bust of this pharaoh's most famous wife. Name this 18th-dynasty king of Egypt, the husband of Nefertiti and father of Tutankhamen, who founded the monotheistic [mah-noh-thee-IS-tik] worship of the sun disk Aten [AHT-un].

Answer: Akhenaten [ahk-NAH-tun or AH-ken-AH-tun] [or Akhenaton or Amenhotep IV or Amenophis IV or Ikhnaton or Khuenaten; prompt on Amenhotep or Amenophis]

13. This country's city of Darayya [dar-"EYE"-ah] was the site of a 2012 massacre and 2016 evacuation, though thousands of the evacuees returned in August 2018. Many of the evacuees went to Idlib, which is also in this country and was captured by the al-Nusra [ahl NOOS-ruh] Front. Idlib is near Aleppo, which has been controlled by this country's government since 2016. Both of those cities are near Turkey, which is trying to get rid of the millions of refugees it has taken in from this country. Russia became involved in this country's civil war in 2015. Name this country led by Bashar al-Assad.

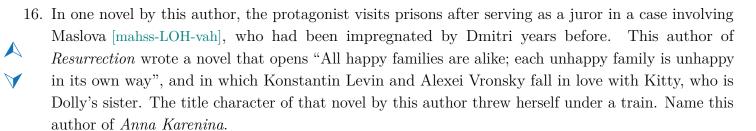Answer: Syria [or Syrian Arab Republic]

14. An early textbook on these things was titled *The Theory of* these things *of Points* and was written by Grace Chisholm Young and William Henry Young. The von Neumann [NOY-mun] universe creates the cumulative hierarchy based on ranks of these things. A Cartesian product pairs two of these things together. Russell's paradox is a contradiction created by a definition of one of these things. The complement of one of these things is everything not in it but still in the universe. Union and intersection are operations whose input is this type of structure. Give this term for an unordered list of elements.

Answer: sets

15. This artist said that one of his paintings "came into existence because I had to paint it"; that painting uses a bluish-grey background amid the black outline of a dog lying down with two smaller figures. Computational fractal analysis was applied to disputed paintings by this artist to determine their authenticity. This artist of *The She-Wolf* painted eight dark diagonal lines in his *Blue Poles*. This painter used a trademark technique for his paintings *Autumn Rhythm* and *Lavender Mist*. Name this American abstract expressionist who employed a "drip" painting technique.

Answer: (Paul) Jackson Pollock

Check the score.

16. In one novel by this author, the protagonist visits prisons after serving as a juror in a case involving Maslova [mahss-LOH-vah], who had been impregnated by Dmitri years before. This author of *Resurrection* wrote a novel that opens "All happy families are alike; each unhappy family is unhappy in its own way", and in which Konstantin Levin and Alexei Vronsky fall in love with Kitty, who is Dolly's sister. The title character of that novel by this author threw herself under a train. Name this author of *Anna Karenina*.

Answer: Leo <u>Tolstoy</u> [or Lev Nikolayevich <u>Tolstoy</u>]

17. A national scandal started when a funeral home in this state refused to host a wake for Felix Longoria after he died in World War II because "The whites wouldn't like it." Pete Hernandez successfully sued this state in the U.S. Supreme Court when Mexican Americans were excluded from jury pools. Before it was annexed by the United States, this state became independent following the Treaties of Velasco, which were signed by Antonio López de Santa Anna after the Battle of San Jacinto [juh-SIN-toh]. Name this state whose fighters lost the Battle of the Alamo and which was led for a time by Sam Houston.
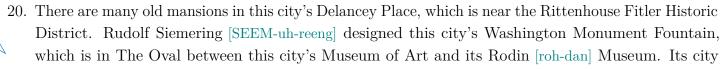
Answer: <u>Texas</u>

18. Markovnikov's [mar-KAWF-nih-kawf'z] rule predicts the attachment of halogens to molecules containing this interaction. The imine [IM-een] and carbonyl [KAR-buh-nil] functional groups display this interaction. It requires both a sigma component and a pi component. Isomers resulting from this interaction can be designated *cis-trans*. De·hydro·gen·ation [dee-"hide"-rah-juh-"nation"] produces unsaturated fats containing at least one of these interactions. This interaction occurs in molecular oxygen. Name this type of bond that is the defining characteristic of an alkene [AL-keen].

Answer: <u>double bond</u>s or <u>double bondi</u>ng [prompt on <u>multiple bond</u>s or <u>multiple bondi</u>ng]

19. A piece by this composer opens with the violin playing the descending half notes A, D, then up to E and down to A, which led to its nickname being "Fifths." A piece by this composer includes variations on a melody that would become the *Deutschlandlied [DOYCH-lahnd-leed]*. This composer wrote a piece in which plucked strings imitate the ticking of a clock. One performance of another symphony by this composer ended with the members of the orchestra blowing out candles and leaving until only two muted violins remained. This composer wrote the *Farewell Symphony* and the *Emperor Quartet*. Name this Austrian composer known as the "father of the symphony."

Answer: (Franz) Joseph <u>Haydn</u> ["HI-din"]

20. There are many old mansions in this city's Delancey Place, which is near the Rittenhouse Fitler Historic District. Rudolf Siemering [SEEM-uh-reeng] designed this city's Washington Monument Fountain, which is in The Oval between this city's Museum of Art and its Rodin [roh-dan] Museum. Its city hall is in a square that interrupts both Market Street and Broad Street. This city recently opened the Museum of the American Revolution near the First Bank of the United States and Carpenters' Hall. Those buildings are near the place where the Declaration of Independence and Constitution were ratified, Independence Hall. The Liberty Bell is kept in what city in southeast Pennsylvania?

Answer: <u>Philadelphia</u>, Pennsylvania

This is the end of regulation. Check the score. If it is tied, proceed to overtime tossups. If it is not tied, the game is over.

TB21. A father-son pair of people in this activity were both nicknamed the Nawab of Pataudi. Though criticized for hugging a former Pakistani colleague, Navjot Singh Sidhu and Arjuna Ranatunga became politicians after retirement from this activity. Aamir Khan was a farmer and participated in this activity in Lagaan. Another person who used to do this activity leads the PTI and is Pakistan's prime minister. That man is Imran Khan. The Tendulkar Middlesex Global Academy, which trains underprivileged kids in this sport, is run in part by its greatest living player, Sachin Tendulkar. Name this sport that is similar to, but much more popular than, baseball in many former British colonies.

Answer: <u>cricket</u> [accept <u>cricket</u>ers]

If the score is still tied, continue. If it is not tied, the game is over.

TB22. Darwin's tubercle [TOO-bur-kul] is a vestigial part of this organ. Synapsid [sin-AP-sid] fossils are recognized by the quadrate and articular bones, which in mammals form part of this organ. pgCerumensih-ROOM-en can form a blockage in this organ. The most common infection of this organ is called otitis ["oh-TIE"-tiss] media. The Eustachian [yoo-STAY-shun] tube maintains pressure in this organ. This organ senses stimuli when the cochlea ["COKE"-lee-uh] receives vibrations from the tympanic [tim-PAN-ik] membrane via the hammer, anvil, and stirrup bones. Name this sensory organ of the auditory system.

Answer: <u>ear</u> [accept <u>inner ear</u> or <u>middle ear</u> or <u>outer ear</u>]

If the score is still tied, continue. If it is not tied, the game is over.

TB23. This day of the week is named for a Norse goddess. The Jewish sabbath begins at sundown on this day of the week. Name this day that is considered unlucky when the 13th day of a month falls on it.

Answer: <u>Friday</u>

There are no more overtime questions available. If the score is still tied, contact the control room for further instructions. If it is not tied, the game is over.