

Scobol Solo 2020

Packet 13 (Round 13)



1. This scientist posited three laws, including the specification that a constant angle to the ecliptic and the same rotation period as revolution period are possessed by the moon. This person mistakenly believed that the Sun traveled around the Earth in the path of a type of oval that was named for him. This person discovered the moons Iapetus [“eye”-AP-eh-tuss] and Rhea [REE-uh], among others. This person identified, near the Huygens [HOY-gunz] Gap, a “division” in Saturn’s rings. This person is also the namesake of a NASA probe that brought the E.S.A. *Huygens* lander to Saturn. Name this 17th-century astronomer originally from Genoa.

Answer: Giovanni (Domenico) Cassini

2. This person was obsessed with bizarre scientific ideas, such as obtaining oil from geraniums, according to the book *The Slave State* by Albert Speer [shpeer]. While serving as the chief of police in Munich, this person oversaw the opening of Dachau [DAH-“cow”], which was the first Nazi concentration camp. This person’s Posen speeches provide evidence that Nazi leaders were aware of the mass killings of Jews. This person told Reinhard Heydrich [“HI”-drik] to form the *Einsatzgruppen* [“EYE”N-sahts-groo-pen], and he oversaw Heydrich when Hermann Göring told them to plan the elimination of Jews. Name this person who was appointed by Adolf Hitler as Reichsführer of the S.S.

Answer: Heinrich (Luitpold) Himmler

3. This author wrote about one of his subjects “What he did too little of was sleep and what he did too much of was drink.” That real-life person, who looks for the photographer E. J. Bellocq in this writer’s novel, is jazz legend Buddy Bolden. This author of *Coming Through Slaughter* wrote a novel set at the Italian monastery Villa San Girolamo [VEEL-lah sahn jee-roh-LAH-moh] during World War II. In that novel by this author, there is a Canadian thief with bandaged thumbs named David Caravaggio and a nurse named Hana who takes care of the title character. Name this Sri Lankan-born Canadian writer of *The English Patient*.

Answer: (Philip) Michael Ondaatje [ahn-DAHT-chee]

4. Soon after this Protestant denomination formed, there were theological arguments within it between Flacians [FLAY-shunz] and Philippists, the latter of whom agreed with Philip Melancthon’s [muh-LAYNK-thun’z] concessions to Catholics. The Confessions of this denomination are in *The Book of Concord*. In the United States, the Wisconsin Synod and Missouri Synod are branches of this denomination. This denomination follows the Augsburg Confession and the Smalcald Articles. Identify this Protestant denomination named for the person who complained about indulgences and other Catholic practices when he posted his *Ninety-Five Theses*.

Answer: Lutheranism [accept Lutherism]

5. These phenomena are more useful for measuring the Hubble constant than the cosmic microwave background is. The theory predicting the existence of these phenomena was supported by measurements of the Hulse-Taylor binary. These phenomena can be caused by supernovas or the inward spiraling of two neutron stars, though the best-known example was caused by the combining of two black holes. These phenomena were first directly detected by a system that was sensitive to vibrations smaller than one-thousandth the size of the nucleus of an atom. Name these phenomena that were detected in 2015 by LIGO [“lie-go”].

Answer: gravitational waves [do not accept “gravity wave(s)”]

Check the score.

6. Just after meeting Paul Strand, this person made a work that he justified by saying “The small and commonplace are rarely explored.” That work by this artist, showing an item from his mother’s garden, is *Rose and Driftwood*. Another work by this artist shows three people, including Roy Takeno [tah-KAY-noh], in front of the Free Press Office reading the newspaper. That work is set at the Manzanar Relocation Center. Several other works by this person are set at Yosemite National Park, including *Moon Over Half Dome*. Name this American photographer.

Answer: Ansel Adams

7. A raid in this location, followed nine months later by fighting at Derna, led to a U.S. victory over Yusuf Kara-manli. The U.S. was led in this location by Edward Preble [PREH-bul], and the raid was in reaction to William Bainbridge grounding his ship, the USS *Philadelphia*. A group on the USS *Intrepid* went into this location to burn the USS *Philadelphia* so that it could not be used by our enemies. The raid was led by Stephen Decatur. When this place was attacked, it was, like Algiers and Tunis, an autonomous part of the Ottoman Empire. Name this harbor that is now located in Libya.

Answer: Tripoli Harbor, Libya or Tripolitania [prompt on Barbary Coast or North Africa]

8. This character’s wife calls him a “detestable, abominable, criminal fraud”. This narrator gives himself many nicknames, including “the Wounded Spider” and “the Popular Butcher”. This narrator’s wife gets upset with him after breaking into his table and reading his diary, but soon after that she is killed by a car. When he was a child, the first girl whom this character loved died from typhus; her name was Annabel Leigh. This character falls in love with the same person as Clare Quilty. Name this Vladimir Nabokov character who falls in love with Lolita.

Answer: Humbert Humbert

9. Both this chemical and kallikreins [kal-IK-ree-inz] are found in large amounts in people suffering from carcinoid [KAR-sih-noyd] syndrome, in which case it acts as a vaso-constrictor and induces nausea. This chemical is created using the enzyme tryptophan hydroxylase ["TRIP-toe-fan hie-ROCKS-uh-lace"], and that reaction often takes place in entero-chromaffin [EN-tuh-roh-KROE-muh-fin] cells, many of which are along the digestive tract. This chemical is also regulated by raphe [RAY-fee] nuclei in the brain. While melatonin [mel-uh-TOH-nin] is an important regulator of sleep, this chemical triggers sleep and prevents the REM [rem] phase. Several drugs used to treat depression and anxiety disorders work by limiting the re-absorption of this chemical. Name this neurotransmitter.

Answer: serotonin [or 5-hydroxy-trypt-amine or 5-HT]

10. Two supporters of this leader are now on trial in Germany for torturing people at the Branch 251 Prison. This national leader recently negotiated with the United States over the release of Majd Kamalmaz [mahjd KAH-mul-mahz] and Austin Tice, with this leader requesting the removal of U.S. troops and sanctions from his country. This leader is blamed for an October 2020 airstrike that killed children in Idlib, though the strike was carried out by Russians. Name this leader who has been accused of many atrocities during the civil war in Syria.

Answer: Bashar (Hafez) al-Assad

Check the score.

11. A Pierre-Auguste Renoir [pyair oh-goost ren-war] painting named for these people has two people in the background and three in the foreground, of which two are seated and one leans back with a hand in the air. In a Paul Cézanne [say-zahn] painting named for these people, a group of these people are on the bottom of the painting and seem to form the base of a triangle whose other two sides are trees leaning in. In another painting named for these people, there are other people sitting near the Seine [sen] River. Name these people who are the title figures in a Georges Seurat [zhorzh soo-rah] painting set at Asnières [ahn-YAIR].

Answer: bathers [or bathing people or people; or baigneuses; prompt on other answers referring to people in water, such as swimmers]

12. One poem by this writer ends “And Eros has given me beauty not found in the light of the sun: the passion and patience for life that so often is lost on the young.” A major character of that poem is also a major character in a Tennyson poem. The name of that poem by this writer is sometimes based on the line “They say that Tithonus [tith-OH-nuss] was held in the rosy arms of Dawn.” Another poem by this writer uses the phrase “subtle of soul and deathless” to describe its subject, who is a goddess. The type of stanza named after this writer ends with a short fourth line. Name this writer of the “Old Age Poem” and “Ode to Aphrodite” who lived in ancient times on the island of Lesbos.

Answer: Sappho [SAFF-oh]

13. A very strong version of this property, in which a function’s graph stays out of double cones placed along it, is named for Rudolf Lipschitz. The intermediate value theorem and extreme value theorem only apply to functions that have this property. A function’s *failure* to have this property can be classified as removable or non-removable. The mean value theorem requires this property on an closed interval [pause] and differentiability on an open interval. Name this property in which a function has a value and a limit at that point, and the value and the limit are the same, so the graph can be drawn without picking up the pencil.

Answer: continuity [or continuous functions; accept continuousness]

14. Peace accords signed in 2000 named after a city in this country provided a framework for ending the Burundian Civil War. That same city is the namesake of this country’s 1967 declaration, which was called its “Policy on Socialism and Self Reliance”. That Arusha [uh-ROO-shuh] Declaration was based on the ujamaa [oo-JAH-muh] policy of this country’s first president, Julius Nyerere [nyeh-REH-reh]. In the late 1970s, this country fought a war against Uganda that led to the overthrow of the Ugandan president, Idi Amin. Name this country on the east coast of Africa that was formed in 1964 by the merger of a mainland country and an archipelago [ark-ih-PELL-uh-goh] country after the Zanzibar Revolution.

Answer: (United Republic of) Tanzania [or (Jamhuri ya Muungano wa) Tanzania]

15. Much of this country’s silk production takes place around the city of Rajshahi [RAJ-shah-hee] near its western border. The large open prayer hall Shahi Eidgah [SHAH-hee “EYED”-gah] is in the major city in the northeast part of this country, Sylhet [si-LET]. The east part of a large mangrove area called the Sundarbans [SOON-dur-bahnz], which has a wild tiger population, is in this country. This country contains the Karnaphuli [kar-nuh-FOO-lee] River, whose delta is in the city of Chittagong [“CHIT-uh-gong”]. This country has a small border with Myanmar, and other than that it is surrounded by India and the Bay of Bengal. Name this country whose territory used to be East Pakistan and whose capital is Dhaka.

Answer: (People’s Republic of) Bangladesh or (Gonoprojatontri) Bangladesh

Check the score.

16. John Cage wrote a series of eight pieces whose title claims that they are this type of music, the third of which claims to be “for one or any number of people performing any actions”. In 1819, prominent Austrian composers were challenged to write pieces of this type, leading to a famous composition by Ludwig Beethoven based on a waltz by Anton Diabelli. Johann Sebastian Bach wrote a set of 30 of these pieces following an original aria. That collection is named after the harpsichordist Johann Gottlieb Goldberg. Name this type of music created by altering another work.

Answer: variations

17. A substance of this type made from propylene [PROH-puh-leen] is now being used to replace paper money in many places. A superabsorbent type of this substance is made by combining sodium and acrylate [AK-ruh-“late”] compounds, and it is used in many products such as fire retardants and diapers. The solid parts of plants are this type of substance. Two of the methods used to create these molecules are step-growth and chain-growth. Molecules of this type made from isoprene [“ICE-oh-preen”] are used to make rubber, and many of these substances are used to make plastics. Name these macro-molecules that have repeating subunits.

Answer: polymers [accept plastics before “acrylate”]

18. One play by this writer begins with William and Jarvis discussing whether it is appropriate to disinherit William’s nephew because the nephew is so generous. That nephew, who is eventually arrested after going into debt, is this author’s protagonist Honeywood. In a novel by this author, Sophia is rescued twice, first from drowning and then from being abducted, by Mr. Burchell. This author then reveals that Mr. Burchell is actually Sir William Thornhill. Early in that novel, this author describes the cancellation of the wedding between Arabella Wilmot and George Primrose. Name this Irish author of *The Good-Natur’d Man* and *The Vicar of Wakefield*.

Answer: Oliver Goldsmith

19. This person’s last book had five sections, of which he wrote the first part and his associates such as Marie-Louise von Franz and Joseph Henderson wrote the others. That book, in which this person distinguished between signs and symbols, is *Man and His Symbols*. This person stressed the development of individuation and the actualization of archetypes [“ARK-eh-types”] as part of his analytical psychology. This person’s theories led to the development of the Myers-Briggs Type Indicator. Name this Swiss psychologist who wrote about a common ancestral memory when developing his concept of the collective unconscious.

Answer: Carl Jung [yuung]

20. This meeting was led by James De Lancey, who was a lieutenant governor at the time, shortly before he granted the charter for the creation of King’s College. This meeting failed to fix the so-called Covenant Chain, which led to England appointing William Johnson as the first leader of the Indian Department. The first part of this meeting included representatives from the Iroquois Confederacy. About six weeks before this meeting, a cartoon was published showing a snake cut into pieces, with the words “Join, or Die.” Name this meeting of representatives from American colonies who debated a Benjamin Franklin plan in 1754 in the colony of New York.

Answer: Albany Congress [accept Albany Convention of 1754 or Albany Conference]

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.

^{TB}21. This poet wrote the line “Empty pockets make empty heads” for a poem in which he inserts himself into an old argument against Christopher Marlowe. That poem is “Raleigh Was Right”. Another poem by this writer has four stanzas, each of which has three words in the first line followed by one word in the other line, and the last stanza contains the line “beside the white chickens”. The last stanza of another poem by this writer is “Forgive me / they were delicious / so sweet / and so cold.” Name this writer of “The Red Wheelbarrow” who admitted to eating plums in “This Is Just To Say”.
Answer: William Carlos Williams

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

^{TB}22. According to Mormon theology, this person became the angel Gabriel. This Old Testament character has obvious similarities to Atra-Hasis from Akkadian literature. Historically, many people have believed that this man’s sons Japheth, Shem, and Ham became the ancestors of Europeans, Asians, and Africans, respectively. This person was eventually instructed to “be fruitful, and multiply, and replenish the earth” after he saw a rainbow. Name this character from Genesis who saved his family and all types of land animals by building an ark before the flood.
Answer: Noah [may be pronounced with a hard “ch” at the end]

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

^{TB}23. This planet is the densest one in our solar system. This planet’s atmosphere has the highest concentration of nitrogen of all the planets. This planet is about 93 million miles from the Sun. Approximately 71 percent of this planet’s surface is covered with water. This is the only planet in our solar system with exactly one known moon. Name this planet that orbits the Sun approximately every 365 days.
Answer: Earth

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.