

# Scobol Solo 2017

## Packet 10 (Round 10)



1. According to a book attributed to Richard Johnson, Tom Thumb belonged to this person after being found inside a fish. This person ordered all babies born on May Day to be placed onto a leaky ship according to *The Candle in the Wind*. This person was the uncle of Gareth, who was the son of this person's half-sister Morgause ["more-GAZE"]. According to Thomas Malory, an incestual relationship between this person and Morgause produced Mordred. Name this subject of T. H. White's *The Once and Future King* who was advised by Merlin and supported by the Knights of the Round Table.

Answer: King Arthur (Pendragon)

2. After his work on polio, John Franklin Enders developed a vaccine for this disease, sharing credit with Thomas Peebles. Depending on the study, rota·virus, pneumo·coccus ["new"-moh-"COCK-us"], or this disease causes the most vaccine-preventable deaths. Like canine distemper, this human disease is caused by a morbilli-virus [mor-BIL-uh-"virus"]. This disease is characterized by Koplik's spots and a high fever, and is dangerous because it can lead to pneumonia or brain inflammation. Its name is sometimes preceded by the word "red", and this disease is also known as rubeola [roo-bee-OH-luh]. Name this disease that is vaccinated against along with mumps and rubella.

Answer: (red) measles [accept rubeola before it is mentioned]

3. This island is connected to its southern outer barrier island by the Atlantic Beach Bridge, which enters its neighborhood of Far Rockaway. The damming of a river on this island created Hempstead Lake. Teddy Roosevelt lived on this island in the area that is now Oyster Bay National Wildlife Refuge. The first Levittown was built in Nassau County on this island, but most of this island is taken up by Suffolk County, which surrounds Peconic Bay. The city of Port Jefferson on this island is connected by a ferry to Bridgeport, Connecticut. The Brooklyn Bridge connects this island to Manhattan. The east end of this island is a group of villages called The Hamptons. Name this large island off the southeast corner of New York.

Answer: Long Island

4. This artist depicted his lover sitting in a chair with colorful clothes and pale skin, while a black cat stands on the top back of the chair, in *Dora Maar au Chat* [dor-ah mar aw shah]. This artist painted his mistress with her head tilted, sitting in a bright red and yellow chair, in *Le Rêve* ["rave"]. This artist also made a very angular portrait of five naked women in a brothel that borrowed from Primitivism and impacted a movement this painter started with Georges Braque [zhorz h brahk]. Name this cubist ["cube"-ist] painter of *Les Femmes d'Alger* [lay dem-wah-zel dah-veen-yaw] who portrayed the horror of a bombing during the Spanish Civil War in his painting *Guernica* [gair-NEE-kah].

Answer: Pablo (Ruiz y) Picasso

5. Tribesmen tried to become independent from this country during World War II in the Barzani revolts. This country joined forces with the People's Mujahedin [moo-zhah-heh-DEEN] of Iran during the 1980s during a bloody war against Iran, who encouraged this country's people to join the Badr [BAH-dur] Brigades. In 1990, coalition forces tried to stop this country from taking over Kuwait in Operation Desert Storm. Two years after starting a prolonged invasion of Afghanistan in 2001, the U.S. began a prolonged invasion of this country in 2003. Name this country accused of using chemical warfare against its Kurds when it was led by Saddam Hussein.

Answer: (Republic of) Iraq [or Jumhuriyat al-Iraq]

**Check the score.**

6. The Abraham-Minkowski controversy is over whether the index of refraction should be in the numerator or denominator of the formula for this property of a photon in a di-electric medium. For massless particles, this quantity equals energy divided by the speed of light. This vector quantity is conserved in both elastic and in-elastic collisions, though it can be transferred between objects. The derivative of this quantity with respect to time is equal to the net force on an object, which is why the change in this quantity is the impulse. This linear quantity is always conserved. Name this quantity often represented by the letter  $p$ , usually calculated as mass times velocity.

Answer: (linear) momentum

7. In the *Gylfaginning* [GIL-fuh-gun-eeng], this concept is personified by Logi [low-ye], who defeats Loki in an eating contest. Jacob Grimm claimed that Loki was originally the god of this concept. In Shinto mythology, Izanami died giving birth to Kagutsuchi [kah-GOOT-suh-chee], the god of this concept. In Egyptian mythology, either poison or this thing could be spit by Uraeus [yuu-REE-uss], a cobra who protected pharaohs. In Greece, the Vestal Virgins maintained this thing, while on Mount Olympus, Hestia did so. A Titan has his liver eaten daily by an eagle because he gave this thing to mankind, possibly stealing it from Hephaestus [huh-FEST-uss]. Name this thing stolen by Prometheus that was often associated with Sun gods because of its light and heat.

Answer: fire or flame(s)

8. In a story by this writer, Sam Fathers describes the bear Old Ben to Isaac McCaslin; that story was collected in this writer's book *Go Down, Moses*. In a novel by this author, one of the character's father dies after telling her to go to Doane's Mill. That woman, Lena Grove, was impregnated by Lucas Burch, who goes by the name Joe Brown and lives with Joe Christmas in Jefferson. A Harvard student who commits suicide narrates one section of a novel by this author about Dilsey and the Compson family, including the mentally disabled Benjy. Name this author of *Light in August* and *The Sound and the Fury*.

Answer: William (Cuthbert) Faulkner [or William Cuthbert Falkner]

9. Totila [TOH-tee-lah] conquered this city twice but did not follow through on his threat to turn it into a sheep pasture; he entered this city through the Asinarian [“ass-in-AIR”-ee-un] Gate. Brennus conquered this city after the Battle of the Allia, leading him to say “Woe to the vanquished!”. The leader of this city tried to flee, but was killed by a mob, when Genseric [JEN-sur-ik] sacked this city along with his Vandals. According to legend, this city was founded by twins who were raised by a she-wolf. Victor Emmanuel II ruled from this city after unifying Italy. Name this city that was the home of Julius Caesar.

Answer: Rome(, Italy) or Roma(, Italia)

10. A stereo-graphic projection maps this shape onto a plane. In the nonstandard form of trigonometry that occurs on this shape, the law of sines states that the sine of an angle over the sine of the opposite side is constant. A triangle drawn on this shape has an area proportional to the sum of the angle measures minus  $\pi$  [“pi”], and the sum of the angle measures is *more* than  $180^\circ$  [“180 degrees”]. The shortest distance between two points on this surface is measured along a great circle. Points on this 3D shape are all the same distance from the center. Name this 3D analogue of a circle.

Answer: sphere

***Check the score.***

11. One piece by this composer begins with a dotted half note, quarter note, dotted half note, and five quarter notes. That piece is “The Thunderer”. A foundation named for this composer gives out several awards named for its funder, Louis Sudler, and oversees this person’s namesake Honors Band. One piece by this composer has a famous piccolo *obbligato* [ohb-blee-GAH-toh] and is sometimes performed with lyrics saying “Hurrah for the flag of the free.” This composer was the leader of the U.S. Marine Band, during which time he composed *Semper Fidelis*. Name this “March King” who composed “Stars and Stripes Forever”.

Answer: John Philip Sousa

12. A collection of three essays named for [this concept] *and the Life Cycle* was written by the psychologist Erik Erikson; the first of those essays is “Ego Development and Historical Change”. Erikson’s fifth stage, which takes place during adolescence, is a conflict between this concept and role confusion. An alternative name for gender dysphoria calls it this type of disorder. The political strategy named for this concept is based on appeals to voters’ genders, races, or similar attributes. The “theft” of this concept usually starts with gaining illegitimate access to information about a person like their mother’s maiden name or Social Security number. Give this term for awareness of oneself.

Answer: identity

13. One person who held this position worked closely with Harold Ickes [IK-ees] to plan Arthurdale, West Virginia and wrote a regular newspaper column titled *My Day*. Another person who held this position was addicted to valium and alcohol, and was thereby inspired to co-found a rehab center in Rancho Mirage, California. Another person who held this position took credit for saving a copy of the Lansdowne portrait of George Washington. Some holders of this position started vegetable gardens at the White House. Name this position that has been held by Betty Ford, Dolley Madison, Eleanor Roosevelt, and Michelle Obama.

Answer: First Lady of the United States [or FLOTUS]

14. Near the beginning of a novel from this country, a fortune teller falls off his donkey when he finds out that an emperor has given up the throne. The beginning of that novel from this country also features the release of 108 spirits. Another novel from this country has a character whose name means “Eight Precepts Pig” and a monkey born from a stone. A couple has six children before the husband takes a concubine in yet another novel that is set in this country, though it was written by the American Pearl S. Buck. Name this setting of *Water Margin*, *Journey to the West*, and *The Good Earth*.

Answer: China [or Zhongguo; accept People’s Republic of China or PRC after “six children”]

15. This person was the first user of the Hale Telescope, which he used to observe his namesake variable nebula. This person developed a diagram that starts with E-Zero on the left and ends with both barred spirals and spirals on the right; that diagram depicts the evolution of galaxies and is often compared to a tuning fork. The constant named for this person is the ratio of a velocity to a distance, and goes with his law stating that the recession speeds of distant astronomical objects are proportional to their distance from us. Identify this astronomer who is the namesake of a space telescope launched in 1990 that makes observations in the visible spectrum.

Answer: Edwin (Powell) Hubble

**Check the score.**

16. General John Nicholson recently said that this organization “can’t win” because of the support he has been given by President Trump. A group whose leader belongs to this organization’s ruling council recently released Joshua Boyle and his family from captivity after five years, with Boyle claiming that they raped his wife and authorized the killing of his children. That affiliated organization is the Haqqani [huh-KAH-nee] network. This organization’s ban on girls attending school almost prevented Malala Yousafzai [muh-LAH-lah yoo-suf-ZY] from getting an education when she grew up in Pakistan. Name this organization that has fought for decades for control of Afghanistan.

Answer: Taliban [accept Islamic Emirate of Afghanistan before “Afghanistan”]

17. This policy became significantly more systematic and official with the election of D. F. Malan in 1948. The Population Registration Act of 1950 was used to classify people under this system. These policies added to the Land Act of 1913 and strengthened Pass Laws, which required some people to carry identification even within their country. This policy was applied to education through the Bantu Education Act. It caused Bishop Desmond Tutu to support boycotts of his own country until it was ended by an agreement worked out by F. W. de Klerk [klairk] and Nelson Mandela. Name this policy that separated races in South Africa.

Answer: apartheid ["apart-hide"] [prompt on separateness; prompt on racial segregation or segregating races or other answers containing similar ideas]

18. When Wallace Stevens wrote about the death of one of these people, he wrote "Life contracts and death is expected." Joyce Kilmer wrote "My shoulders ache beneath my pack" in a "Prayer of" one of these people "in France". Though these people are not mentioned directly, their struggles and deaths are the subjects of Wilfred Owen's poems "Dulce [DUL-kay] et Decorum Est" and "Anthem for Doomed Youth". In another poem, it is said of this type of person "Theirs not to make reply, / Theirs not to reason why, / Theirs but to do and die." Name these people, 600 of which rode "into the Valley of Death" in "The Charge of the Light Brigade".

Answer: soldiers [accept any reasonable answer indicating someone fighting in a war]

19. A class of solid catalysts named for being this type of substance is used for hydro-carbon cracking in bio-diesel production. These substances are useful in certain fuel cells if they have oxy-anion ["ox"-ee-AN-"ion"] groups, of which cesium [SEE-zee-um] hydrogen sulfate is a common example. A "test" named for this type of substance typically uses a substance like *aqua fortis* to determine whether a substance is gold. Like non-metals, these substances can combine with metals to form salts. These substances produce excess hydro-nium ["hi"-DROH-nee-um] ions in solution or are proton donors. Name these substances with a pH ["P-H"] below seven, in contrast with bases.

Answer: acids

20. Rudolph Tegner's depiction of this character's birth shows her holding a spear and shield. The Greeks were able to use the Trojan Horse to destroy Troy after Diomedes ["die-oh-ME"-deez] and Odysseus stole a statue depicting this character. The Promachos [PROH-muh-kohss] was a large statue depicting this character that was moved from its home on the Acropolis to Constantinople. A large gold and ivory statue of this character showed her holding Nike, and she often held the shield Aegis [EE-jiss]. Name this goddess who was the subject of a large statue in the Parthenon, a temple that was dedicated to her in a city named for her.

Answer: (Pallas) Athena [accept Minerva]

***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.***

- <sup>TB</sup>21. Louise Farrenc’s [loo-ees fah-rahnk’s] third piece in this form was a major critical success when performed by the Société des Concerts du Conservatoire [soh-see-eh-teh day kohn-sair doo kohn-sair-vah-twar]. Ferdinand Löwe and Franz Schalk published versions of Anton Bruckner’s [BROOK-nur’z] compositions of this type that are now ignored in favor of Bruckner’s manuscripts. These pieces generally start in sonata form and often have four movements. The longest and last of these pieces by Mozart is numbered 41 and nicknamed “Jupiter”. Name this type of composition that many composers wrote nine of, including Beethoven, who wrote examples nicknamed *Pastoral*, *Choral*, and *Eroica*.

Answer: symphony/ies

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

- <sup>TB</sup>22. This city is the setting of Clare Clark’s *The Great Stink*, which is based on real events during the summer of 1858. Graham Greene’s *The End of the Affair* depicts the impact of the bombing of this city during World War II. In another novel, Jerry Cruncher works at this city’s Tellson’s Bank, to which he is told to bring the message “Recalled to Life”. Stryver is a barrister in this city who works with Sydney Carton. This city is the setting of several Dickens novels, including *A Christmas Carol*. Name this city that is contrasted with Paris in the opening lines of *A Tale of Two Cities*.

Answer: London, England, United Kingdom

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

- <sup>TB</sup>23. This company, which was created in 1998 and restructured in 2015, took over the companies BeatThatQuote, Oyster, Firebase, and Waze [“ways”]. This company is now owned by Alphabet, and was started by Larry Page and Sergey Brin. This company controls YouTube and the Chrome web browser. Name this company whose flagship product is the most popular internet search engine.

Answer: Google (Inc.) [prompt on Alphabet before it is mentioned]

***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.***