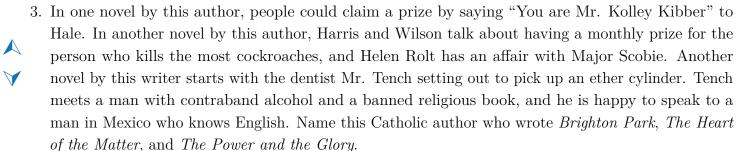# Scobol Solo 2016
Packet 9 (Round 9)

1. Like echinoderms [eh-KY-noh-durmz], some members of this phylum develop from bi·laterally symmetric larvae called planulae [PLAN-yoo-lee]. Anthozoans [an-thoh-ZOH-unz] in this phylum tend to be sessile [SESS-"isle"], and its class Cubozoa ["CUBE"-oh-zoh-uh] contains venomous organisms. The body plans of these organisms consist of mesoglea [mez-oh-GLEE-uh] sandwiched by thin layers of epithelium. Organisms in this phylum tend to begin as polyps then enter the medusa stage. Clownfish often hide within an organism of this phylum, as they are immune to its stings. Name this phylum of animals that includes hydras, corals, and jellyfish.

   Answer: Cnidaria [ny-DAIR-ee-uh]

2. This word is based on a title used by Andronicus of Rhodes for a collection of 14 texts by another writer, which state "The actuality of thought is life" and "All men, by nature, desire knowledge." This word, based on a misreading of Greek, was originally used to name Aristotle's writings that were placed on a shelf after his scientific work. Much later, Gottfried Leibniz wrote about physical substance in his discourse on this branch of philosophy. A book by Immanuel Kant is titled for this concept "*of Morals*". Name this term that describes a branch of philosophy which traditionally addressed first causes and unchanging qualities.

   Answer: metaphysics [accept *The Metaphysics of Morals*]

3. In one novel by this author, people could claim a prize by saying "You are Mr. Kolley Kibber" to Hale. In another novel by this author, Harris and Wilson talk about having a monthly prize for the person who kills the most cockroaches, and Helen Rolt has an affair with Major Scobie. Another novel by this writer starts with the dentist Mr. Tench setting out to pick up an ether cylinder. Tench meets a man with contraband alcohol and a banned religious book, and he is happy to speak to a man in Mexico who knows English. Name this Catholic author who wrote *Brighton Park*, *The Heart of the Matter*, and *The Power and the Glory*.

   Answer: (Henry) Graham Greene

4. This person headed a court of inquiry that criticized Winfield Scott Schley [shly] after the Battle of Santiago de Cuba, though this person supported Schley. This person headed the gunboats that supported General Henry Lawton at the Battle of Zapote [zah-POE-tay] River. While he was aboard the USS *Olympia*, this person gave the order "You may fire when ready, Gridley." Shortly after this person's biggest victory, he helped Emilio Aguinaldo reach the Battle of Alapan for another decisive victory over Spain. This person's greatest victory was won over Patricio Montojo [mohn-TOY-oh] at the beginning of the Spanish-American War. Name this admiral who won the Battle of Manila Bay.

   Answer: George Dewey

5. This song is the first track on Carole King's album *A Holiday Carole.* It is introduced by the spoken lines "The lightning talks to the thunder, and the thunder answers" and "Skies full of stars", after which the person who performs this song is admonished for not strictly observing bedtime. An album named for this song puts this song before Cole Porter's "Ev'ry Time We Say Goodbye", and is by John Coltrane. The items in this song should be remembered "when the dog bites, when the bee stings, when I'm feeling sad". Name this song from *The Sound of Music* that is about, among other things, "raindrops on roses and whiskers on kittens".

Answer: "My Favorite Things"

Check the score.

6. One of these devices designed by William Henry Dines improved on a model by James Lind, using a float and a vertical tube with a ring of small holes. Leonardo da Vinci designed one of these devices that was made of a piece of wood hanging from a hinge. A cheap version of this device works like a horizontal accelerometer and can be made by hanging a ping-pong ball from a piece of string. A common version of this device uses several cups arranged in a circle, able to revolve around the center, and may be combined with a weather vane. Name this device used to measure wind speed.

Answer: anemometers [an-uh-MAH-mih-tur(z)]

7. This writer described "Love so alike, that none do slacken, none can die" in the poem "The Good-Morrow", which was collected in his *Songs and Sonnets.* This poet wrote the line "So let us melt, and make no noise" in a poem that makes an extended comparison between lovers and the legs of a compass used to draw circles. One of his poems is addressed to a concept that is a "slave to Fate, Chance, kings, and desperate men" and that has been called "mighty and dreadful". Name this English metaphysical poet who wrote "A Valediction: Forbidding Mourning", and whose tenth Holy Sonnet begins "Death Be Not Proud".

Answer: John Donne [dun]

8. The sixteenth of these writings is called "The Bees" because it claims a lesson can be learned from the existence of animals that eat fruit and produce honey. The second of these writings tells the story of Moses ordering the sacrifice of a cow. The third of these writings includes references to the Battle of Uhud [uh-HUD], saying that it unfolded as it did in order to reveal who was a true believer. Each of these writings opens "In the Name of God, the Merciful, the Compassionate", and the first of them contains the Salah. These writings consist of verses called *ayat* [ah-YAHT] and are generally arranged from longest to shortest. Give the name for the 114 chapters of the Koran.

Answer: sura(t) [or suras; prompt on answers referring to parts of the Qur'an]

9. This ruler promoted a military leader by writing a letter that said in its entirety "Hurrah, Field-Marshal!". That promotion went to Alexander Suvorov, who had earlier captured the American Revolution hero Tadeusz Kościuszko [tah-DAY-ooss kohss-CHOOSS-koh] in Poland. General Ivan Michelsohn [ee-VAHN mee-kel-SOHN] stopped a different rebellion against this leader—one of several led by people claiming to be Peter III, called Pugachev's Rebellion. Along with Frederick II of Prussia and Habsburg Emperor Joseph II, this leader agreed to the first Partition of Poland. She worked closely with Grigory Orlov and Grigory Potemkin. Name this leader who came to power in a coup against her husband, Peter III.

Answer: <u>Catherine the Great</u> [or <u>Catherine II</u> or Sophie Friederike Auguste von <u>Anhalt-Zerbst</u>-Dornburg; prompt on <u>Catherine</u>]

10. One of the laws named for this person says that a small degree of dissociation equals the square root of the quantity dissociation constant divided by the concentration, and is used for weak electro·lytes. This person shortened the German word for "molecule" to coin the word "mole". The process named for this person is the latter of the two processes that has replaced the Birkeland-Eyde [BEERK-uh-lahnt AY-duh] process to create fertilizer. Identify this scientist whose namesake process takes advantage of the Haber process to convert ammonia into nitric acid.

Answer: (Friedrich) Wilhelm <u>Ostwald</u> [VIL-helm OHST-vahlt] [or Vilhelms <u>Ostvalds</u>]

Check the score.

11. This writer congratulated Percival Pollard for criticizing "the Crane freak" after Pollard called *The Red Badge of Courage* a crude imitation of this writer. This person wrote about Carter Druse's decision to shoot a horse, instead of the Confederate soldier on the horse, because the soldier was Druse's father. In another story by this author of "A Horseman in the Sky", the main character imagines returning to his plantation and rushing towards his wife just before his neck is snapped. Name this author who wrote about Peyton Farquhar in "An Occurrence at Owl Creek Bridge."

Answer: Ambrose <u>Bierce</u>

12. The U.S. Census Bureau's American Community Survey released in 2016 found this rate significantly lower than the previous year in every state except North Dakota, South Dakota, and Wyoming. This rate continues to be lowest in Massachusetts, and is 9.1% nationally. Richard Kronick has criticized studies linking this rate to mortality rates. The Rand Corporation and Commonwealth Fund wrote a report stating that this rate would increase if Donald Trump becomes president due in large part to the repeal of a law signed by President Obama. Name this rate that has decreased under implementation of the Affordable Care Act.

Answer: <u>uninsured</u> rate [accept any reasonable answer referring to people <u>without</u> health <u>insurance</u>]

13. This person's words to his soldiers are preserved in the Lambaesis [lam-BEE-sis] Inscription in what is now Algeria. This person had a close relationship with a man who drowned in the Nile River, Antinous [an-TIN-oh-us]. This person's lack of respect for the site of the Jewish Temple led to the Bar Kokhba revolt, which he ordered brutally put down. This person succeeded his father's cousin Trajan [TRAY-jun], becoming the third of the Five Good Emperors. This emperor adopted Antoninus Pius, who succeeded him, and who—like this man—became the namesake of a structure at the northern end of the Roman Empire. Name this emperor whose namesake wall went across Britannia.

Answer: Hadrian [or Caesar Traianus Hadrianus Augustus or Publius Aelius Hadrianus; do not prompt on non-underlined names]

14. While teaching at the Bauhaus [rhymes with "cow house"] school, this painter made a series of 12 graphics called "Kleine Welten [KLY-nuh VEL-ten]", or "Small Worlds". At the same time, he painted blue and yellow stripes in the background of his *Circles in a Circle*. Earlier, this artist used different combinations of colors to paint the same general shape twelve times, thus creating works called *Farbstudie Quadrate* [farb-STOO-dee-ay KWAHD-"rate"] and *Squares with Concentric Circles*. He labeled many of his paintings as "impressions", "improvisations", and "compositions". One of his paintings showing a white horse moving leftward across the canvas became the namesake of an artistic movement that included August Macke and Franz Marc. Name this Russian-born painter of *The Blue Rider*.

Answer: Wassily (Wassilyevich) Kandinsky

15. D. H. Lehmer developed a theorem that essentially has this relationship to Fermat's [fair-mah'z] little theorem but accounts for Carmichael numbers, and that theorem is used to test for prime numbers. A type of fallacy that is an "accident" named for this relationship is also known as a "sweeping generalization". The fallacy in which a statement of this type is assumed to be true is called "affirming the consequent". If you start with the true statement "some X are Y" or "no X are Y", then the statement with this relationship to the original is true, but not so for "all X are Y". In this type of statement, the hypothesis becomes the conclusion, and vice versa. Name this statement that, if the original statement is that P implies Q, is the statement that Q implies P.

Answer: converse

Check the score.

16. The southern tip of this country features the Portón de Campo wooden drawbridge in Colonia del Sacramento, which changed hands between Spain and Portugal several times. A memorial to the engineer Eladio Dieste [ay-LAH-dee-oh dee-ES-tay] known as "The Seagull" is in this country's city of Salto. The center of this country features the man-made Rincón del Bonete [reen-KOHN del boh-NAY-tay] Lake. Part of this country's eastern border is on Lagoon Mirim. The river that shares its name with this country forms its western border, and goes on to form a very large estuary with the Paraná River. This country is just north of the Río de la Plata. Name this country between Argentina and Brazil, whose capital is Montevideo.

Answer: (Oriental Republic of) Uruguay [or República Oriental del Uruguay]

17. In one novel by this writer, a person who has written books about the Holocaust receives mail containing Gustave Flaubert's [goo-stahv "flow-bear"'z] story "The Legend of Saint Julian Hospitalier" and a play featuring a stuffed donkey and monkey. This author's recent novel about three widowers is *The High Mountains of Portugal*. This Canadian author of *Beatrice and Virgil* wrote a novel about a person who wrote theses on Isaac Luria and a three-toed sloth gland, and whose father sells his zoo in Pondicherry and tries to transport the animals. In that novel by this author, Richard Parker is a Bengal tiger who kills a hyena on a lifeboat. Name this author of *Life of Pi*.
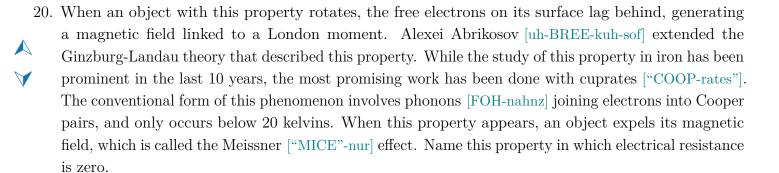
Answer: Yann Martel

18. In this city in 1969, Ralph Abernathy was arrested while supporting a strike of African-American hospital workers who were making less than minimum wage. Much earlier, Isaac Hayne was killed in this city by the British during the Revolutionary War after being held in its Old Exchange & Provost Dungeon. Major General Benjamin Lincoln surrendered this city to the British under Sir Henry Clinton in 1780. In this city's harbor, a fort run by Robert Anderson was the site of an attack by P. G. T. Beauregard on April 12, 1861 that started the Civil War. In 2015 Dylann Roof killed nine people in what city in South Carolina?

Answer: Charleston, South Carolina

19. In order to increase his work's popularity, Nicolas Chédeville [nee-koh-lah shayd-veel] claimed that several of his compositions were written by this composer. During the 20th century, Michael Talbot discovered 12 violin sonatas by this composer that are now called the Manchester Sonatas. Also in the 20th century, Alfredo Casella popularized this composer's *Gloria*, which is numbered 589 in the Ryom-Verzeichnis [ree-YOHM vairt-SYKE-niss], or RV, catalog. Most of his works were composed while he worked at Ospedale della Pietà [ohss-pay-DAH-lay day-lah pee-ay-TAH], an orphanage in Venice. Name this composer who during the 1720s wrote *The Contest between Harmony and Invention*, a group of violin concerti ["cone-CHAIR-tee"] that begins with *The Four Seasons*.

Answer: Antonio (Lucio) Vivaldi

20. When an object with this property rotates, the free electrons on its surface lag behind, generating a magnetic field linked to a London moment. Alexei Abrikosov [uh-BREE-kuh-sof] extended the Ginzburg-Landau theory that described this property. While the study of this property in iron has been prominent in the last 10 years, the most promising work has been done with cuprates ["COOP-rates"]. The conventional form of this phenomenon involves phonons [FOH-nahnz] joining electrons into Cooper pairs, and only occurs below 20 kelvins. When this property appears, an object expels its magnetic field, which is called the Meissner ["MICE"-nur] effect. Name this property in which electrical resistance is zero.

Answer: <u>superconduct</u>ivity or <u>superconduct</u>ing [accept <u>superconductor</u>s]

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. In this play, one of the characters refers to a bonnet as being old, but her husband says it is a new bonnet that goes with a new parasol. Near the beginning of this play, the servant Berta expresses concern about the care needed by Aunt Rina, an invalid who later dies. One of this play's characters, who is writing a book about the domestic industries of Brabant, has an academic rivalry with the recovering alcoholic Eilert Løvborg, is named Jürgen Tesman, and is married to this play's title character, who gives Eilert a pistol and encourages him to commit suicide. Name this play by Henrik Ibsen.

Answer: <u>*Hedda Gabler*</u>

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

TB22. Robert Mundell wrote that the 1970s was a decade of this quantity, the 1980s a decade of correction, and the 1990s a decade of stability. The Mundell-Tobin effect connects this quantity to interest rates. The triangle model classifies types of this quantity as built-in, demand-pull, or cost-push. This quantity is represented on the y-axis of the Phillips curve, while unemployment is on the x-axis. The federal reserve aims to keep this quantity at 2%. This effect occurred in an extreme fashion in the Weimar ["VIE-mar"] Republic and more recently in Zimbabwe, making their money have extremely little value. Name this increase in prices.

Answer: <u>inflation</u>

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

TB23. In the title of Madonna's 1984 album, this word precedes "a Virgin". Valley girls are stereotyped for overusing this word as conversational filler. Similes generally use the word "as" or this word as the adverb. Give this word used in comparisons and to refer to preferences weaker than love, which starts with the letter 'L'.

Answer: <u>like</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.