

The 2018 Scottie



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Packet Four

TOSSUPS

1. In this Biblical book, Achan and his family are stoned because he looted silver and gold from Ai. This book sees the Gibeonites dress in sackcloth to receive protection, as well as twelve stones being retrieved from the Jordan River as a memorial. Another incident in it sees two men being hid in straw by the (*) harlot Rahab, who hangs a scarlet rope from her window. Israelites march around the walls of Jericho, causing them to fall in, for 10 points, what book of the Bible named for the successor of Moses? (GP)

ANSWER: the book of **Joshua**

2. This art medium originated in China before spreading to Europe in the 14th century. Lucas Cranach the Elder postdated several works in this medium to claim the invention of its chiaroscuro style. One work in this medium includes the first depiction of a (*) rhinoceros in modern Europe, while another depicts boats underneath a crashing wave. For 10 points, identify this medium associated with ukiyo-e artists like Hokusai as well as the German master Albrecht Durer.(TR)

ANSWER: **woodcuts** [or **woodblock** printing]

3. In one appearance by this character, he calls attention to the “curious incident of the dog in the night-time.” In another of his appearances, he investigates a very large jellyfish while without his usual companion. This character claims to have been bested only once by a woman. That woman, (*) Irene Adler, appears in the story “A Scandal in Bohemia”, where this character attempts to retrieve a compromising photograph from her. For 10 points, name this consulting detective who usually appears with Dr. John Watson, a creation of Arthur Conan Doyle. (OK)

ANSWER: **Sherlock Holmes**

4. **The largest branch of an ethnic group in Russia called the Nenets speak a language with the same name as this habitat where they reside. The musk ox and snowy owl are two animals that have large populations in this (*) biome.** One of the factors that separates this ecosystem from other similar regions close by, is its freeze-thaw cycle. Permafrost is a significant feature of, for 10 points, this cold, treeless biome found mostly in the Arctic Circle. (TG)

ANSWER: tundra

5. **Third party candidates Peter Cooper of the Greenback Party and Green Clay Smith from the Prohibition party campaigned in this election. Joseph P. Bradley headed the commission that decided the outcome of this election. The winner of this election failed to receive a (*) majority of the electoral votes, but gained the support of Southern Democrats after agreeing to end Reconstruction.** For 10 points, name this controversial election in which Samuel Tilden was defeated by Rutherford B. Hayes. (RN)

ANSWER: Election of 1876

6. **This author wrote of Tish and Fonny, the latter of whom is falsely accused of rape, in *If Beale Street Could Talk*. Another novel by this author sees David's fiance leave him after discovering his homosexuality, and Jacquez is (*) murdered by the title character of that novel.** This author also created Gabriel Grimes, the resentful stepfather of John, who experiences a religious awakening. For 10 points, name this American author of *Giovanni's Room* and *Go Tell It on the Mountain*. (GP)

ANSWER: James Arthur Baldwin

7. **One of this man's most important advisors was General Patrick Gordon, who helped put down a rebellion attempting to install this leader's sister. This ruler created a "toy army" to help train children to fight in the real army. He established his country's first naval base on the Sea of Azov and implemented several reforms, including a (*) beard tax, in order to "Westernize" his country.** For 10 points, name this Russian ruler who moved the capital to a city that he named after himself. (PB)

ANSWER: Peter the Great [accept Peter I or Peter Alexeyevich Romanov; prompt on just "Peter"]

8. Before an event involving these animals, the hero Cuchulainn rejects the advances of the Morrigan, which leads her to turning into a crow to hamper him. In one story, Thor used one of these animals as bait when fishing for Jormungandr. Both the seventh and the tenth labors of Heracles involved these animals, which he had to (*) steal from Geryon. The Egyptian goddess Hathor was depicted with the head of this animal. For 10 points, name these animals that some Hindus worship because of their life sustaining milk.(MR)

ANSWER: Cows [Accept bull, cattle, bovine, or clear knowledge equivalents]

9. The site of the Battle of Greasy Grass, which is also known by a more famous name, is located in this modern-day state. This state is home to several natural attractions including Lake McDonald and Pictograph Cave. The Museum of the Rockies is located in this state's town of (*) Bozeman. This state is also home to Glacier National Park. For 10 points, name this state with capital at Helena, and whose largest city is Billings.(PB)

ANSWER: Montana

10. This humanoid character appears as a statue in *Metal Gear Solid:The Twin Snakes* and as a referee in *Mike Tyson's Punch-Out!!* He was voiced by "Captain" Lou Albano in an animated TV series based on him. In his first appearance, his pet monkey captures his girlfriend, (*) Pauline. This character has had various professions throughout his appearances, including a doctor and a golf player. In this character's most recent main-series game, he is joined by the sentient hat Cappy. For 10 points, name this character, an Italian plumber who is often accompanied by his brother Luigi. (OK)

ANSWER: Mario

11. This author created the character little Mignon, who is part of a company that puts on Shakespeare's *Hamlet*. In a novel by this author, the title character reads his translation of *Ossian* to his romantic interest, and later tells Albert he is "going on a journey" after asking for (*) two pistols. In his most famous work, the title character lusts for Gretchen after making a wager with Mephistopheles. For 10 points, name this German author of *Wilhelm Meister's Apprenticeship*, *The Sorrows of Young Werther*, and *Faust*. (GP)

ANSWER: Johann Wolfgang von Goethe

12. The digits of the Styx number are determined by counting the bonds between this element and hydrogen. The Wade-Mingos rules are used for predicting the structure of clusters containing this element which, along with gallium, is used to dope p-type semiconductors. This element only wants (*) 6 electrons in its valence shell, so it is often cited as a violator of the octet rule. For 10 points, name this element with atomic number 5 and chemical symbol "B." (MR)

ANSWER: Boron

13. This uprising was partially sparked by the Juye Incident and a flood, both of which took place in the Shandong province. Clemens von Kettler was killed during this event, which was put down by the 8-nation alliance. The Empress Dowager Cixi supported this uprising which aimed to eliminate Western (*) “spheres of influence”. For 10 points, name this 1898-1901 Chinese anti-foreigner rebellion led by the Society of Righteous and Harmonious Fists.(RN)

ANSWER: Boxer Rebellion [or Yihequan Movement; accept equivalents like Boxer Uprising]

14. Fourteen paintings in this man’s signature style adorn the walls of his namesake chapel in Houston, Texas. This artist’s earlier “multiforms” such as *Blue, Orange, Red*, featured vibrant colors while later, darker works in that style seem to parallel his own life. He painted several of his (*) Seagram Murals before breaking his contract because he was unhappy with the dining atmosphere in the Four Seasons. For 10 points, name this Russian-Jewish American pioneer of color field painting.. (MR/TG)

ANSWER: Mark Rothko

15. This scientist first came to public attention through a documentary filmed by their spouse and narrated by Orson Welles. This person co-authored a book with Gail Hudson titled *Seeds of Hope: Wisdom and Wonder from the Plants*, but delayed its release to address accusations of plagiarism. Gigi, Frodo, Goliath, and David (*) Greybeard were subjects observed by this primatologist at Gombe Stream National Park. For 10 points, name this biologist who studied chimpanzees in Tanzania. (TG)

ANSWER: Jane Goodall

16. The manuscript for this man’s opera *Don Sanche* was lost for thirty years. This man was inspired to become as great a virtuoso on his instrument as Paganini, basing six etudes for piano on his work. This composer, who had a namesake (*) mania, composed the *Mephisto Waltzes*. For 10 points, name this Hungarian composer of *Transcendental Etudes* and *Hungarian Rhapsodies*.(RN)

ANSWER: Franz Liszt

17. This quantity’s namesake factor is found by taking the cosine of the phase angle. This quantity is found by taking the charge squared times the acceleration squared all over the speed of light cubed in the Larmor formula. In mechanics, this value is equal to the dot product of (*) force and velocity. This value equals the product of voltage and charge in circuits. For 10 points, name this value, equivalent to work done per unit time, measured in watts. (MR)

ANSWER: power

18. **This battle was preceded by one side's landing at Milford Haven, and it saw forces led by the Earl of Oxford charge forces of the Duke of Norfolk at a field known as Redemore. This battle, which took place near Ambion Hill, had its outcome shaped by the decision of the Earl of Northumberland to (*) not engage his troops. This battle resulted in the decline of the Plantagenets and the rise of the Tudors. For 10 points, name this 1485 battle which effectively ended the Wars of the Roses and elevated Henry VII to the throne.**

ANSWER: Battle of **Bosworth Field** (RN)

19. **One of these compounds is often used in the treatment of migraines and is called riboflavin. These molecules are characterized by their chemical properties, not by their size. In humans, four of these compounds are fat soluble and (*) nine of them are water soluble. If these organic compounds cannot be synthesized by an organism, they are called essential. For 10 points, name these chemical compounds that come in types like B12 and D. (MR)**

ANSWER: **vitamins** [accept **B vitamins** before fat soluble]

20. **This poetic form was popularized in Brazil by Guilherme de Almeida, and it originally served as the opening stanza of another form before being used independently. Sixty of these poems were commentated on in *The Seashell Game*, which paired them based on seasonal references. This form was combined with prose in (*) *haibun*, which was used to write *The Narrow Road to the Deep North*. For 10 points, name this poetic style, mastered by Matsuo Basho, which consists of a 5-7-5 syllable structure. (TR)**

ANSWER: **Haiku** [or **hokku**]

BONUSES

1. For 10 points each, answer the following about these philosophers. (RN)

[10] This transcendental idealist philosopher authored a set of three critiques and wrote such works like *Groundwork of the Metaphysics of Morals*.

ANSWER: Immanuel **Kant**

[10] Kant coined this term, which is defined as a moral law that is unconditional or absolute for all agents. It states that you should only act according to maxims that you wish to become universal law.

ANSWER: **Categorical Imperative**

[10] This German Philosopher criticized Kant's work in *Kant and the Problem of Metaphysics*. He never completed his magnum opus, *Being and Time*.

ANSWER: Martin **Heidegger**

2. For 10 points each, answer these questions about a Roman General who took the name Felix.(AP)

[10] This Roman statesman led several civil wars against Gaius Marius and defeated the Kingdom of Pontus in the Mithridatic Wars.

ANSWER: Lucius Cornelius **Sulla**

[10] During the Social War, Sulla received a crown made out of this material. Receiving such a crown was considered the highest military honor in the Republic.

ANSWER: **grass**

[10] Sulla is credited for reviving this office which had not been used since Gaius Servilius Geminus held it following the Second Punic War.

ANSWER: **Dictator**

3. Each chapter of this novel begins with a recipe, which are connected to events in the protagonist's life. For 10 points each: (OK)

[10] Name this novel, in which Tita de la Garza eventually dies while eating a box of candies after her lover Pedro dies.

ANSWER: ***Like Water for Chocolate***

[10] *Like Water for Chocolate* is by this Mexican author, who has also written *The Law of Love* and *Swift as Desire*.

ANSWER: Laura **Esquivel**

[10] Esquivel has also written a novel about the life of this woman, whose sons are the focus of an essay by Octavio Paz.

ANSWER: **La Malinche** [accept **Dona Marina**]

4. Some refer to the twenty-four musician ensemble Klangforum Wien as the third one of these schools. For 10 points each: (TG)

[10] The second of these so named schools of composers was comprised of Arnold Schoenberg and his students Alban Berg and Anton Webern.

ANSWER: **Viennese** Schools

[10] Schoenberg was known for this compositional system which uses the semitones of an octave in a predetermined sequence.

ANSWER: **twelve tone** scale

[10] The First Viennese School is normally used to refer to Mozart, Beethoven and Haydn, although this composer of the *Trout Quintet* and *Winterreise* is sometimes included.

ANSWER: Franz **Schubert**

5. German physician Robert Koch identified the causative agent of this disease as *Bacillus anthracis*. For 10 points each: (MR)

[10] Name this disease that can cause cutaneous, gastrointestinal, and respiratory infections.

ANSWER: **Anthrax**

[10] Shortly after 9/11, Bruce Edwards Ivins carried out the Amerithrax attacks by delivering anthrax to several senators through this method.

ANSWER: **Mailing** them spores [accept any reasonable equivalent]

[10] This man developed the first vaccine for anthrax, and also created one for rabies.

ANSWER: Louis **Pasteur**

6. This millenarian Christian denomination does not believe in the Trinity, instead believing that Jesus is God's only direct creation. For 10 points each:

[10] Members of this religious group adhere to the teachings of Charles Taze Russell and worship in Kingdom Halls.

ANSWER: **Jehovah's Witnesses** [or The **Watchtower Bible And Tract Society**]

[10] Along with their magazine, *Awake!*, Jehovah's Witnesses pass out this monthly publication in their door-to-door ministry.

ANSWER: **The Watchtower** *Announcing Jehovah's Kingdom*

[10] This Jehovah's Witness and *Purple Rain* rockstar played a cover of Bob Dylan's *All Along the Watchtower* in his Super Bowl 41 halftime show.

ANSWER: **Prince** Rogers Nelson

7. These organelles are found free floating in the cytoplasm in prokaryotes, while they are often bound to the rough endoplasmic reticulum in eukaryotes. For 10 points each: (MR)

[10] Name these organelles that are the site of translation.

ANSWER: **ribosomes**

[10] Ribosomes can be found in prokaryotes because they do not have this property.

Mitochondria have the “double” type of this property.

ANSWER: **bound by a membrane** [accept reasonable equivalents like “having a membrane”]

[10] Distances in ribosomes are measured by using this unit, which is actually a measure of time equal to ten to the negative thirteen seconds.

ANSWER: **Svedbergs**

8. For 10 points each, answer the following about a supreme court chief justice. (RN)

[10] This man was the first Chief Justice of the United States. He later retired from the position to become the governor of New York.

ANSWER: John **Jay**

[10] Jay was the namesake of a 1794 treaty between the U.S. and this other nation which extended the Treaty of Paris.

ANSWER: **Great Britain**

[10] Jay was succeeded as Chief Justice by this man who served as Governor of South Carolina during the American Revolution

ANSWER: John **Rutledge**

9. This man’s works depicting 20th century American life feature saturated colors and simplified shapes and details in order to create a sense of “soft” realism. For ten points each: (MP)

[10] Name this artist whose works include *Morning Sun*, *Chop Suey*, and *Automat*.

ANSWER: Edward **Hopper**

[10] Hopper was a member of this school of art known for portraying daily life in New York.

ANSWER: **Ashcan** School

[10] This leading figure of the Ashcan School and organizer of “The Eight” painted *Snow In New York*.

ANSWER: Robert **Henri**

10. In this poem, “All the world wondered” as the titular group “Came through the jaws of Death”. For 10 points each: (GP)

[10] Name this poem which starts “Half a league, half a league,/Half a league onward,” and details a group riding “into the valley of Death”.

ANSWER: “The **Charge of the Light Brigade**”

[10] “The Charge of the Light Brigade” was written by this British poet, who also wrote “Crossing the Bar”.

ANSWER: Alfred, Lord **Tennyson**

[10] Tennyson also wrote this poem in which the title man hopes to “see the great Achilles” and gives instruction to his son Telemachus.

ANSWER: “**Ulysses**”

11. In 2017, this award was given to Kip Thorne, Rainer Weiss, and Barry Barish. For 10 points each: (MR)

[10] Name this award that was given to Max Planck in 1918..

ANSWER: **Nobel Prize in Physics** [Prompt on “Nobel”; accept clear knowledge equivalents]

[10] The team of Thorne, Weiss, and Barish was given their Nobel in physics for the observation of this phenomenon.

ANSWER: **Gravitational Waves**

[10] Gravitational waves were first detected at these facilities. There are Enhanced and Advanced versions of this system.

ANSWER: **LIGO** [or **Laser Interferometer Gravitational-Wave Observatory**]

12. This collection of rocks orbiting the sun is located between the orbits of Mars and Jupiter. For 10 points each: (MR)

[10] Name this group of objects, which includes the dwarf planet Ceres.

ANSWER: **Asteroid Belt**

[10] Ceres was discovered by this Italian astronomer on January 1st, 1801.

ANSWER: Giuseppe **Piazzi**

[10] This asteroid is the second most massive body in the Asteroid Belt. It is named after the Roman goddess of the hearth.

ANSWER: **Vesta**

13. This author's chamber plays include *The Ghost Sonata* and *The Pelican*. For 10 points each:
(OK)

[10] Name this playwright, who is also famous for *A Dream Play* and *Miss Julie*.

ANSWER: August **Strindberg**

[10] Strindberg is from this country, whose Nobel Laureates in Literature include Selma Lagerlof and Tomas Transtromer.

ANSWER: **Sweden**

[10] Strindberg is also famous for a novel describing a room of this color. This color titles a chamber in a classical Chinese novel as well as a novel by Orhan Pamuk.

ANSWER: **red**

14. World War I is known for its U-Boat attacks and trench warfare, but the war did have one major surface engagement at sea. For 10 points each: (TG)

[10] Over 250 British and German ships fought in this naval battle that, while technically indecisive, left the British in control of the North Sea.

ANSWER: Battle of **Jutland**

[10] The majority of the Jutland peninsula is part of this country with capital of Copenhagen.

ANSWER: **Denmark**

[10] Admiral Jellicoe of Britain successfully committed this feat against Admiral Scheer of Germany twice during the Battle of Jutland. This technique allows one fleet to fire all of their guns while only receiving fire from the forward guns of their enemy.

ANSWER: **Crossing the T**

15. Charles Spearman developed the g factor after observing this phenomenon in schoolchildren. For 10 points each: (RN)

[10] Name this cognitive ability whose quotient can be measured in the Stanford-Binet test.

ANSWER: **Intelligence**

[10] This effect named after a New Zealand researcher describes the generational rise in intelligence.

ANSWER: **Flynn** Effect

[10] Only about 2 percent of a population has an IQ above 130, which is the minimum required to join this high IQ society.

ANSWER: **Mensa** International

16. In later life, this author rarely left her bedroom, and very few of her poems were published while she was alive. For 10 points each: (OK)

[10] Name this American poet, who had an idiosyncratic grasp of punctuation and was known as the “Belle of Amherst”.

ANSWER: Emily **Dickinson**

[10] Many of Dickinson’s poems are about nature, including “A narrow fellow in the grass”, which is about this type of animal described as “a Whip Lash.”

ANSWER: **snake**

[10] In another poem, this figure is described as a “distant-- stately lover”, who woos her “by His Son.” Dickinson also called this figure “jealous” in another poem.

ANSWER: **God**

17. In June and July, the world was captivated by the dramatic rescue of twelve young soccer players and their coach. For 10 points each: (TG)

[10] The team had become trapped in one of these locations due to flooding.

ANSWER: **cave**

[10] The Tham Luang Nang Non Cave was in the Chiang Rai Province in this country. This country’s King Rama X announced that he would sponsor the funeral of Saman Kunan, the only casualty of the rescue.

ANSWER: **Thailand**

[10] Kunan was a retired member of this special operations force in Thailand. Members of these elite Navy divers from several countries assisted in the rescue.

ANSWER: Thai Navy **Seals**

18. For 10 points each, name these American mountain ranges. (RN)

[10] This mountain range has its highest point at Turner Ward Knob. It primarily runs through Arkansas and Missouri.

ANSWER: **Ozark** Range

[10] This range runs through Northeast New York and has its highest point at Mount Marcy.

ANSWER: **Adirondack** Range

[10] This range runs for for 700 miles along the Northwest coast of the U.S. and Canada. The active volcano Mt. St. Helens is a part of this range.

ANSWER: **Cascade** Range

19. This ruler financed the Catholic League during the French Wars of Religion. For 10 points each: (RN)

[10] Name this Spanish King and one time husband of Mary I, who failed to put down the Dutch Revolt.

ANSWER: **Philip II** [or **Felipe II**; prompt on “Philip”]

[10] Following Mary I’s death, Phillip sent this force to overthrow Elizabeth I in 1588.

ANSWER: **Spanish Armada**

[10] The Spanish feared the use of “hell-burners” which were used in the 1585 siege of this Flemish city. Today it is Europe’s second busiest port city following Rotterdam.

ANSWER: **Antwerp**

20. For 10 points each, answer the following questions about Japanese films. (TG)

[10] This groundbreaking Japanese film features a samurai, his wife, a woodcutter, and a bandit each having a different recollection of how a terrible crime occurred.

ANSWER: **Rashomon**

[10] This 1954 film’s plot is about a village that hires a number of ronin to stop bandits who will be returning to steal their land. Its influence is seen in an American “*Magnificent*” version and *A Bug’s Life*.

ANSWER: *The **Seven Samurai***

[10] Chihiro Ogino’s parents are turned into pigs by Yubaba in this 2001 winner of the Academy Award for Best Animation animated by Studio Ghibli.

ANSWER: **Spirited Away**