

The 2018 Scottie



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Packet Two

TOSSUPS

1. **This economist was awarded the Presidential Medal of Freedom in 1946 and in 2000. In one of his works, he questioned the competitive ideal in industrial corporations, and in another work, he criticized the American wealth gap. This (*) Canadian-born economist also worked as an ambassador to India during the Kennedy administration. For 10 points, name this economist who wrote *The New Industrial State* and *The Affluent Society*.** (PB)

ANSWER: John Kenneth Galbraith

2. **One work in this movement depicts a large mechanical figure with a trunk-like hose and a headless, nude mannequin wearing a surgical glove. That work done in the de Chirico style is *The Elephant Celebes*. Swans floating in front of trees have (*) reflections that look like elephants in a work by this movement's best known artist. "This is not a pipe" is written at the bottom of another work from this movement, Rene Magritte's *The Treachery of Images*. For 10 points, name this art movement, members of which include Max Ernst and Salvador Dali.**

(TG)

ANSWER: Surrealism

3. **This man was referred to as "Peanut" by his Chief of Staff Joseph Stilwell, and he led the fascist Blue Shirts society. This leader allowed Mikhail Borodin and Vasily Blücher to escape the April 12 incident, and he was kidnapped in the Xi'an incident. This leader launched the (*) Northern expedition and succeeded Sun Yat-Sen as head of the Kuomintang. For 10 points, name this Chinese Nationalist leader who established the Republic of China on Taiwan.**(RN)

ANSWER: Chiang **Kai-Shek** [accept Chiang **Chungcheng**; accept Chiang **Chiah-sheh**; accept **Jiang Jieshi**]

4. **The Cotton effect is present in molecules with this property, and circular dichroism spectroscopy is used to study compounds with this property. Louis Pasteur used tartaric acid to demonstrate that racemic mixtures have this property. (*) Carbon atoms exhibit this property when they are bonded to four different functional groups. For 10 points, name this property possessed by enantiomers that is from the Greek for “handedness.” (MR)**

ANSWER: **chirality**

5. **In one story by this writer, a man claims “it’s eating my head” before removing a flea from his ear. Along with “Belhomme’s Beast”, this author wrote a short story about an officer who proclaims France is now Prussian property, prompting the prostitute (*) Rachel to stab him. In another of his short stories, Mathilde works for ten years to replace the title accessory, only to hear that it was made of paste. For 10 points, name this French author who wrote “Mademoiselle Fifi” and “The Necklace.” (GP)**

ANSWER: Guy de **Maupassant**

6. **This event was preceded by bombing raids at Kunsan and was codenamed Operation Chromite. The Kimpo airstrip was a key objective in this battle which saw Marines land at Red, Blue, and Green beaches. This battle, which preceded a breakout at the (*) Pusan perimeter, led to the United Nations-backed victors recapturing their capital, Seoul. For 10 points, name this amphibious invasion during the Korean War planned by Douglas MacArthur.(RN)**

ANSWER: Battle of **Inchon**

7. **The stochastic version of these entities can be used to model a Markov chain of events. The Hadamard product can be given for these non-vector constructs if they are in the same direction, while the Kronecker product deals with the block variety of them. Cramer’s Rule uses these constructs to solve systems of linear equations, and when both dimensions of these objects have the same value, they are called square. For 10 points, name these arrays of numbers that can be transposed and have determinants. (GP)**

ANSWER: **matrices** [or **matrix**]

8. **A section of this work titled “Economy” describes the narrator borrowing an axe then returning it to its owner sharper than it was before. In a book by another author, T.E. Frazier invites Professor Burris to a supposedly utopian community named after this place. The speaker of this work lives in the title location for (*) two years, two months, and two**

days, and tries to perform various scientific experiments while living around the title pond. For 10 points, name this transcendentalist work by Henry David Thoreau. (DD)

ANSWER: Walden; or *Life in the Woods*

9. In this work's first act, one character pledges his love to Micaela after receiving a letter from his mother. This opera's title character sings "En vain pour eviter" after her fortune is read with a deck of cards. That character, who works at a cigarette factory, falls in love with the (*) bullfighter Escamillo and is eventually killed by Don Jose. Two of this opera's most famous arias are commonly known as the Toreador Song and Habañera. For 10 points, name this opera focusing on the title gypsy girl by Georges Bizet. (TR)

ANSWER: Carmen

10. It's not the lysosome, but Belgian scientist Christian de Duve discovered this organelle while studying glucagon. Zellweger syndrome is a condition which decreases the functional amount of these organelles in cells. These organelles are thought to control photorespiration levels in (*) leaves, and they contain the enzyme catalase to break down their namesake substance. For 10 points, name these organelles that break down H₂O₂. (MR)

ANSWER: peroxisome

11. Pope Alexander sanctioned a crusade against Barbastro as part of this conflict, which began with the Battle of Covadonga. The Almohads were defeated at the Battle of Las Navas de Tolosa in this conflict that came to an end following the surrender of Boabdil. (*) El Cid fought in this conflict which ended following the capture of Granada in 1492 by Ferdinand and Isabella. For 10 points, name this military campaign to drive out Muslim Kingdoms from Spain. (RN)

ANSWER: Reconquista [accept Reconquest; prompt on answers like "Christians driving Muslims out of Spain"]

12. The point guard of this franchise's 1983 "fo', fo', fo'" championship team will be inducted into the Hall of Fame in September, and in the 2017-18 regular season, this team set a record by winning their final 16 games. This team's general manager resigned in June after being accused of using burner accounts to criticize players like Joel Embiid. For 10 points, name this NBA team currently led by Ben Simmons, whose former players include Julius Irving and Allen Iverson.(TR)

ANSWER: Philadelphia 76ers [accept either; accept Sixers]

13. This geographic feature's southern terminus lies between Lady Elliot Island and Fraser Island. The SS *Yongala* sank near the center of a protected area in this system, which was first sighted by Louis de Bougainville. After running aground on a shoal here, (*) James

Cook's first voyage was delayed. For 10 points, name this natural wonder, a large coral reef off the coast of Australia. (PB/TR)

ANSWER: **Great Barrier** Reef

14. **This religion's androgynous god of blacksmiths is also the god of foxes, fertility, and intoxicating drinks. Visiting a shrine of this religion is referred to as omairi, and entrances to those shrines often have (*) torii gates. This religion's Imperial Regalia includes a sword, a jewel, and a mirror. Kami is the term referring to gods or spirits in, for 10 points, what majority religion of Japan?** (MR)

ANSWER: **Shintoism**

15. **In *A Midsummer Night's Dream*, Peter Quince has this vocation. In Lewis Carroll's *Through the Looking-glass*, Tweedledee and Tweedledum recite a poem about a Walrus and this profession. In *The Canterbury Tales*, the Miller makes fun of a man with this trade, which offends the (*) Reeve because he had once held this profession. For 10 points, name this craft whose practitioners include Jesus.** (TG)

ANSWER: **carpenter**

16. **This musician recorded the *Weatherbird Duet* with pianist Earl Hines, and one of his greatest hits is the jazz transformation of Kurt Weill's *Mack the Knife*. This man popularized (*) scat singing with his vocals on songs like "Heebie Jeebies," which he recorded with his Hot 5. For 10 points, name this Jazz trumpeter nicknamed "Satchmo," the singer of "Hello, Dolly" and "What a Wonderful World."** (RN)

ANSWER: Louis **Armstrong**

17. **This character defeated the Copper Knight to acquire his home of Joyous Guard, which was once known as Dolorous Guard. This man acquired his nickname by jumping into a vehicle to save a queen who had been (*) kidnapped by Meleagant. This man went on a quest for the Holy Grail with his son Percival. For 10 points, name this strongest knight of the Round Table, who had an affair with Guenevere.** (MR)

ANSWER: Sir **Lancelot** du Lac [Prompt on "Knight of the Cart"]

18. **Four ships that survived and escaped this battle were captured by Sir Richard Strachan at the Battle of Cape Ortegale. Cuthbert Collingwood commanded the second column which attacked the rear of Pierre de Villeneuve's fleet in this battle which took place off the coast of (*) Cadiz. The victorious commander at this battle famously said, "England expects that every**

man will do his duty," before being shot by a French sniper. For 10 points, Horatio Nelson led the British to this naval victory over Napoleonic forces. (RN)

ANSWER: Battle of **Trafalgar**

19. **In one work by this writer, Spooner claims to be the man drowning in another character's dream. In another play by this author, Kate claims "I remember you dead" to a former roommate who used to steal her undergarments. Stanley Webber, a former (*) piano player, has the title event ruined by Goldberg and McCann in one of this playwright's most famous works. For 10 points, name this author of *The Birthday Party*, who also created the hitmen Ben and Gus in *The Dumbwaiter*.** (GP)

ANSWER: Harold **Pinter**

20. **This particle's namesake emission was first observed in the isotope cobalt-53. This particle makes up nearly ninety percent of cosmic rays and is used in the most common type of NMR. This particle's predicted half-life is around ten to the (*) thirty-two power years, and this particle becomes a neutron in beta minus decay. For 10 points, name this particle, composed of two up quarks and one down quark, which provides the positive charge in the nucleus.** (GP)

ANSWER: **protons**

BONUSES

1. Characters search for a rocket with the serial number 00000 in one novel by this author. For 10 points each:

[10] That novel, *Gravity's Rainbow*, is by this reclusive author of *V.*.

ANSWER: Thomas **Pynchon**

[10] This other novel by Pynchon centers on Oedipa Maas' obsession with the secret Tristero organization. It ends with Oedipa at an auction, interested in rare stamps.

ANSWER: **The Crying of Lot 49**

[10] This 2009 Pynchon novel focuses on Doc Sportello's investigation of the real-estate developer Wolfmann and the mysterious Golden Fang.

ANSWER: **Inherent Vice**

2. This metal is the third most abundant on earth and the most common metal in the human body. For 10 points each: (AP)

[10] Name this metal, found in aragonite. It is a major component of limestone along with carbonate.

ANSWER: **Calcium**

[10] The calcium based minerals of calcite and dolomite form this metamorphic rock that is most commonly used as a building material

ANSWER: **Marble**

[10] Calcium and this element are commonly alloyed for use in car batteries and casting. This element has the Latin name plumbum.

ANSWER: **Lead**

3. For 10 points each, answer the following about a conflict that took place roughly between 1969 and 1997. (TG)

[10] This conflict's participants included nationalist groups like the IRA and loyalist groups like the Ulster Volunteer Force.

ANSWER: the **Troubles** [accept **Northern Ireland** conflict]

[10] This significant event during the troubles took place on January 30th, 1972 in Derry when the British Army shot and killed 13 men at an anti-internment rally.

ANSWER: "**Bloody Sunday**"

[10] Most consider the Troubles to have ended with this 1998 accord.

ANSWER: The **Good Friday Agreement** [accept **Belfast Agreement**]

4. Officially dedicated “to the American People” and clad in stainless steel, this is the tallest man-made monument in the Western Hemisphere. For 10 points each: (MP)

[10] Name this centerpiece of the Jefferson National Expansion Memorial in St. Louis, Missouri.

ANSWER: The **Gateway Arch**

[10] This furniture designer and architect of the Gateway Arch is known for his neo-futuristic style.

ANSWER: Eero **Saarin**

[10] Saarinen also designed this landmark in JFK airport in New York. This building opened in 1962 and is famous for its wing-shaped roof over the main terminal.

ANSWER: **TWA Flight Center** [or **Trans World Flight Center**]

5. In this book, the author concludes that “men forget more easily the death of their father than the loss of their patrimony.” For 10 points each: (OK)

[10] Name this political treatise which also claims “it is far safer to be feared than loved.” It is the most famous work of Niccolo Machiavelli.

ANSWER: *The* **Prince**

[10] Machiavelli also wrote this treatise, which should not be confused with the work of the same name by Sun Tzu.

ANSWER: *The* **Art of War**

[10] Machiavelli also wrote fictional works, including the play *The Girl From Andros*, which is based on a work by this Roman playwright who began writing while a slave.

ANSWER: **Terence**

6. In one creation myth from this culture, the Feathered Serpent and other gods were dissatisfied with their first attempts to create humans as mud people and reed people. For 10 points each. (TG)

[10] The final successful attempt to create these people employed white and yellow maize.

ANSWER: The **Mayans**

[10] The story of the Maya is chronicled in this work that means “Book of the Community”.

ANSWER: The **Popul Vuh**

[10] Xbalanque and Hunahpu, the Hero Twins of the Maya, played ball games against the gods in this Mayan underworld.

ANSWER: **Xibalba**

7. Determining whether a function is even or odd is determining what type of [this] property a function has. For 10 points each: (TG)

[10] This property occurs when there is correspondence in size, shape, and relative position of parts on opposite sides of a dividing line or about a center or axis.

ANSWER: **symmetry**

[10] A function has even symmetry when its graph is symmetric to this axis on the Cartesian coordinate plane.

ANSWER: **y**- axis symmetry

[10] An organism has this type of symmetry if the left and right sides of the organism can be divided into mirror images of each other.

ANSWER: **bilateral** symmetry

8. Answer the following about Henry Ford. For 10 points each: (RN)

[10] Ford used the Assembly line system to mass produce this affordable car in 1908. Ford once said it could be purchased in “any color so long as it is black.”

ANSWER: **Model T**

[10] Ford blamed World War I on the Jews and published numerous other anti-semitic remarks in a newspaper he published named after this Michigan city.

ANSWER: **Dearborn** (Independent)

[10] Ford and his company lost support following this clash between Ford Motor security and members of the U.A.W.

ANSWER: Battle of the **Overpass**

9. When air temperature is at 20 degrees celsius, this value is approximately 343 meters per second. For 10 points each: (MR)

[10] Name this value. When it is exceeded, a sonic boom is produced.

ANSWER: **speed of sound**

[10] In this type of medium, the speed of sound is only dependent on temperature and composition. A constant named for this type of substance is symbolized by a capital R.

ANSWER: **ideal gas**

[10] William Derham used a shotgun blast and several local landmarks to first accurately measure the speed of sound. He used this method for calculation, which involves using two known points to find an unknown.

ANSWER: **triangulation**

10. This 700 verse epic in Sanskrit features a prince and his charioteer. For 10 points each: (DD)
[10] Name this work in which Lord Krishna lectures Prince Arjuna on his duty as a warrior.

ANSWER: the ***Bhagavad-gita*** [prompt on “Mahabarata”]

[10] The Bhagavad-gita is part of this larger work about a war between the Pandava and Kaurava princes.

ANSWER: the ***Mahabarata***

[10] The *Mahabharata* is believed to have been written by this sage, who is also attributed with compiling the Puranas.

ANSWER: **Vyasa**

11. This program was ostensibly intended to help rebuild European economies after WWII, although it was also intended to try to stop the spread of communism. For 10 points each: (OK)

[10] Name this program, named after the Secretary of State, that provided money to Western European countries.

ANSWER: **Marshall Plan** [accept **European Recovery Program** or **ERP**]

[10] Post WWII tensions continued to mount in Europe, with one of the earliest incidents being the Soviet blockade of the Western half of this German city.

ANSWER: **Berlin**

[10] By 1946, ideological boundaries in Europe had become firmly drawn, which led Winston Churchill to use this term to describe the division of Europe.

ANSWER: **Iron Curtain**

12. This modern day nation contains the geographic region of Karoo, which borders the Great Escarpment. For 10 points each: (AP)

[10] Name this nation that also contains the regions of the Bushveld and the Kalahari.

ANSWER: **South Africa**

[10] South Africa has no official capital, instead it has divided its three branches of government among three cities. Cape Town is home to Parliament, Bloemfontein hosts the Supreme Court, and this city is home to the Cabinet and President.

ANSWER: **Pretoria**

[10] South Africa borders this landlocked nation, which notably changed its official name in 2018.

ANSWER: **eSwatini** [accept **Swaziland**]

13. Practitioners of this faith believe that sickness can be healed by prayer because it is actually an illusion. For 10 points each: (TG)

[10] Name this religion founded in 19th Century New England by the author of this religion's namesake Journal, Herald, and Monitor.

ANSWER: **Christian Science**

[10] The founder of Christian Science was this woman who studied with the healer Phineas Quimby from Maine.

ANSWER: Mary Baker **Eddy**

[10] The first edition of this work of Eddy was published in 1875 and is the primary source of Christian Science beliefs.

ANSWER: **Science and Health** (*with Key to the Scriptures*)

14. The mythology of this poet centers around the fall of Albion, and he is well known for the illustrations he created for his own poems. For 10 points each: (OK)

[10] Name this poet who is best known for his collection *Songs of Innocence and Experience*.

ANSWER: William **Blake**

[10] Blake's most famous individual poem is probably this one, in which the titular animal has a "fearful symmetry".

ANSWER: "**The Tyger**"

[10] This attribute partially titles illustrations Blake created for the Book of Revelation. A woman clothed in this attribute is pictured with the Great Red Dragon.

ANSWER: the **Sun**

15. On July 1st of 2018, this man became the President Elect of Mexico. For 10 points each: (TG)

[10] Name this man, often called AMLO, who ran as part of a political coalition named "Together We Will Make History."

ANSWER: Andrés Manuel López **Obrador**

[10] Obrador has been a critic of this agreement between Mexico, the United States, and Canada. He argued that its renegotiation should be delayed until after the election.

ANSWER: **NAFTA** [or **North American Free Trade Agreement**]

[10] Outgoing President Enrique Peña Nieto was a member of this political party. This party held power in Mexico for over seventy years in the 20th century.

ANSWER: **PRI** [or **Institutional Revolutionary Party**]

16. For 10 points each, answer these questions about the “Dean of American Composers.” (PB)

[10] The “Dean of American Composers” was this man. His lesser-known works include *The Tender Land* and *Grohg*.

ANSWER: Aaron **Copland**

[10] Copland’s *Fanfare for* [this kind of] man was inspired by Vice President Henry A. Wallace’s speech proclaiming *The Century of* [this kind of] man.

ANSWER: **common**

[10] This Copland ballet won the Pulitzer Prize for Music in 1945. It contains variations on the hymn *Simple Gifts*.

ANSWER: ***Appalachian Spring***

17. These structures are made up of proteins called protomers, and are often icosahedral in shape.

For 10 points each: (MR)

[10] Name this protein shell of a virus that encloses the genetic material.

ANSWER: **capsid**

[10] The genetic material of viruses is either the single stranded RNA, or this double stranded nucleic acid.

ANSWER: **DNA** [or **deoxyribonucleic acid**]

[10] These pathogens are the smallest infectious agents known, and consist of RNA without a protein coat.

ANSWER: **viroid**

18. As a result of unrealistic rubber quotas in this polity, villages would attack each other to gather hands to give to colonial officials. For 10 points each:(OK)

[10] Name this polity, which was supposedly used for humanitarian and philanthropic work by its owner.

ANSWER: **Congo Free State** [accept **Belgian Congo**]

[10] The Congo Free State was the personal property of this ruler of Belgium, who was forced to give control of it to the Belgian government in 1908.

ANSWER: **Leopold II** [or **Léopold Louis Philippe Marie Victor**; or **Leopold Lodewijk Filips Maria Victor**; prompt on “Leopold”]

[10] This British explorer was hired by Leopold to help map the Congo Free State. Supposedly, when meeting another explorer, this man said “Dr. Livingstone, I presume.”

ANSWER: Henry Morton **Stanley**

19. This artist was considering a career as a doctor when the bus she was riding on crashed into a streetcar. For 10 points each: (DD)

[10] Name this artist of works such as *What the Water Gave Me* and *Self Portrait with Thorn Necklace and Hummingbird*.

ANSWER: Frida **Kahlo**

[10] Kahlo was married to this muralist whose famous works include *Man at the Crossroads* and *The Flower Carrier*.

Answer: Diego **Rivera**

[10] This work of Kahlo's was commissioned by a friend of a girl who had recently jumped off a building in New York City.

ANSWER: **The Suicide of Dorothy Hale**

20. The Condorcet method is a variation of this practice. For 10 points each: (RN)

[10] Name these events during which people vote for candidates.

ANSWER: **Elections**

[10] This American economist showed that certain circumstances prevent some voting systems from ranking candidates fairly in his namesake impossibility theorem.

ANSWER: Kenneth **Arrow**

[10] In this electoral system, a majority is not required. The candidate who receives more votes than any other candidate is elected.

ANSWER: **Plurality** System