

The 2018 Scottie



Written and edited by current and former players and coaches including Todd Garrison, Tyler Reid, Olivia Kiser, Anish Patel, Rajeev Nair, Garrison Page, Mason Reid, Parker Bannister, Daniel Dill.

Packet Eight

TOSSUPS

1. This solo musician began her career as part of a group formed on the second season of *The X Factor*. Early in her solo career she collaborated with artists like Shawn Mendes and Machine Gun Kelly, and the video for her most successful song opens with her watching a telenovela. In that song's chorus, this artist sings about being taken "back to (*) East Atlanta," although her heart remains in her home country's capital. For 10 points, name this Cuban pop singer whose 2018 self-titled debut album features "Never Be the Same" and "Havana."

ANSWER: Karla Camila Cabello Estrabao (TR)

2. This man was criticized for a painting of his sisters Juliette, Zelie, and Zoe, and several of his paintings are titled for his place of birth. *The Man with a Pipe* and *Self-Portrait with a Dog* are two of several creatively-named self-portraits by this realist. A young peasant carries a (*) box of the title objects while an older peasant uses a long-handled hammer to perform the title action in one of this French artist's best known works. For 10 points, name this painter of *A Burial at Ornans* and *The Stone Breakers*. (TG)

ANSWER: Gustave Courbet

3. This colony's name came from the red clay found on its beaches, which was similar to that of a well-known Greek island. The Touro Synagogue, the first synagogue in the United States, was founded in this colony in 1763. After being expelled from her home colony, Anne Hutchinson fled to this colony. For 10 points, name this New England colony that was founded by Roger Williams after he was banished from the Massachusetts Bay Colony. (PB)

ANSWER: Rhode Island

4. **One opera by this composer details the kidnapping of the title character by the “conjure men” while another, *The Guest of Honor*, is about Booker T Washington’s 1901 dinner at the White House. This composer of the waltz *Bethena* and the opera (*) *Treemonisha* is perhaps best known for a rag named after a Missouri club. For 10 points, name this ragtime composer of works like “The Entertainer” and “Maple Leaf Rag.” (RN)**

ANSWER: Scott Joplin

5. **A symbol representing this deity is referred to sometimes as this deity’s Girdle, Blood, or Buckle and is in the shape of a knot. This member of the Ennead of Heliopolis retrieved another member’s body from beneath a tamarisk tree. This goddess and her sister (*) Nephthys were depicted on wooden coffins and were considered professional mourners accompanying the dead. For 10 points, name this Egyptian goddess who healed her son Horus from a scorpion sting and brought Osiris back from the dead.(TG)**

ANSWER: Isis

6. **For a 3 by 3 magic square, this number is the sum of the elements in any row, column, or diagonal. This is the number of supersingular primes in moonshine theory, and this number is a repdigit in both binary and quaternary. After 6, this is the smallest number to be both a hexagonal and (*) triangular number, and this number is represented by the letter F in hexadecimal. For 10 points, what is this number that is the square root of 225? (GP)**

ANSWER: 15

7. **One of the major causes of this conflict was the application of a policy called the Doctrine of Lapse. A lowly clerk in this conflict received the Victoria’s Cross for sneaking out of Lucknow to relay information to a relief column led by Colin Campbell. One trigger of this (*) rebellion, which began in Meerut, was the belief by the title soldiers that the paper cartridges they were issued were coated in beef or pork fat. For 10 points, name this 1857 uprising of native soldiers in India. (TG)**

Answer: Sepoy Mutiny [or Sepoy Rebellion; accept Indian Rebellion of 1857 until “1857” is read; accept India’s first War of Independence or equivalent]

8. **This economist rejected the neutrality of money, and in *A Tract on Monetary Reform* he noted that “in the long run, we are all dead.” Equilibrium occurs at the intersection of a 45 degree line with aggregate demand in his namesake “cross.” He criticized placing high (*) reparation payments on Germany in *The Economic Consequences of the Peace*, and argued for deficit spending during the Great Depression. For 10 points, name this British economist who emphasized macroeconomics in his *General Theory of Employment, Interest, and Money*. (TR)**

ANSWER: John Maynard Keynes

9. **One character in this novel points to a mirror and claims “It’s us” after bringing commoners into a hacienda ballroom. La Luna accepts her lover’s infidelity in this novel, while another character shoots a hole through a coin to prove his worth to (*)**

revolutionaries. In this novel, General Arroyo and the “Indiana General” are both in love with Harriet Winslow, who tutors the Miranda children. For 10 points, name this book that fictionalizes the disappearance of Ambrose Bierce in the Mexican Revolution, written by Carlos Fuentes. (GP)

ANSWER: *The Old Gringo* [or *Gringo Viejo*]

10. **Kathleen Lonsdale confirmed the structure of this compound using x-ray diffraction. Along with chloroform, this chemical compound is used in a method of DNA extraction.**

Adding a methyl group to this compound creates toluene, and adding a (*) hydroxyl group to it creates phenol. Supposedly, the structure of this compound was discovered in a dream August Kekule had of a snake eating its own tail. For 10 points, name this cyclic compound with formula C₆H₆. (MR)

ANSWER: benzene

11. **In one work by this playwright, a jet interrupts Nancy as she converses with two humanoid lizards. Another of this man’s plays sees Jerry walk into a knife after arguing over the possession of a Central Park bench. Along with *Seascape* and (*) *Zoo Story*, this man wrote about characters playing “Bringing Up Baby” before Martha declares “I am, George” to the title question. For 10 points, name this playwright of *Who’s Afraid of Virginia Woolf?*(GP)**

ANSWER: Edward Albee III

12. **It’s not part of the respiratory or circulatory systems, but this tissue obeys Murray’s law. Tylosis is a form of decay in this material, and guttation is the process by which fluids from this tissue are forced outside of it. The (*) vessel elements of this tissue are typically found in angiosperms, while the tracheids in it are typically found in gymnosperms. This tissue functions by exerting transpirational pull. For 10 points, name this type of plant tissue that transports water up the stem. (MR)**

ANSWER: xylem

13. **One conflict which involved this group began after the imposing of a tax on dogs, and Keri Hulme’s *The Bone People* discusses them. Members of this group perpetrated the Boyd Massacre, where they killed and ate over 60 Europeans. While led by (*) Hone Heke, they fought the Flagstaff War. This group was protected against illegal land sales by Robert Fitzroy, and they signed the Treaty of Waitangi. For 10 points, name these indigenous people of New Zealand. (RN)**

ANSWER: Maori

14. This country's capital city is home to a stone and glass pyramid called the Palace of Peace and Reconciliation. It is also the location of an observation tower and monument known as the Bayterek Tower. This country is also home to several natural features including Lake Kaindy and the mountain range (*) Khan Tengri. For 10 points, name this Asian country which is the largest landlocked country in the world and whose capital is Astana. (PB)

ANSWER: Kazakhstan

15. A character in this play dresses as Sir Topas to torment a man accused of insanity. Another character in it drunkenly asks if a steward believes "there shall be no more cakes and ale". After receiving a forged letter, Malvolio smiles constantly at one character and adorns (*) yellow stockings. Olivia promises not to accept love for seven years in this play, but soon falls for a character disguised as Cesario. For 10 points, name this Shakespeare comedy that sees Duke Orsino marry the shipwrecked Viola, who is the twin of Sebastian. (GP)

ANSWER: Twelfth Night [or What You Will]

16. This man's book *Excalibur* preceded his best known work and was written after he had a reaction to a drug while visiting the dentist. This author's best known work of fiction centers on the warrior Johnny Goodboy Tyler's efforts against a race called Psychlos. Led by his wife, practitioners of tenets set out in this man's (*) *Dianetics* wiretapped and stole documents from the IRS in Operation Snow White. For 10 points, name this author of *Battlefield Earth* and founder of Scientology. (TG)

ANSWER: L. Ron Hubbard

17. In this novel, one character remembers an aunt who saw people as skeletons right before they died. Another character is called "Lilith", and gives an X-ray of herself to the protagonist. Claudia Chauchat and Pribislav Hippe both lend pencils to the protagonist of this novel, who dreams of a (*) witch sacrifice during a snowstorm. The Jewish convert Naphta commits suicide in it, while Settembrini tries to teach humanism to the protagonist. Joachim dies in the title sanatorium in, for 10 points, what novel about Hans Castorp by Thomas Mann? (GP)

ANSWER: The Magic Mountain [or Der Zauberberg]

18. For fixed axis rotation, work is equal to the integral of this quantity with respect to angular position. This value times angular speed gives the power of a system, and the right hand rule uses the thumb to indicate the (*) direction of this quantity. This derivative of angular momentum is equivalent to the cross product of a position vector and a force vector. For 10 points, name this rotational analogue of force that is represented by the Greek letter tau. (GP)

ANSWER: torque [accept "moments of force" until tau]

19. **One character in this work is admonished by members of his conscience, including hobbits, Yoda, and his father, in the song “Making Things up Again” for mixing stories of his faith with science fiction. After being robbed by a general with a vulgar name and seemingly failing in their mission, (*) Elder Kevin Price abandons Elder Arnold Cunningham, leading him to sing “Man Up.” For 10 points, name this musical about two missionaries in Uganda that mocks a certain religious group. (TG)**

ANSWER: *The Book of Mormon*

20. **This city was sacked in 1240 following the murder of envoys sent by Möngke and the history of this polity is described in the Primary Chronicle. Simon Petlura declared an independent nation in this city which was the site of the Babi Yar massacre in World War 2. (*) Oleg moved his capital from Novgorod to this city which lies on the Dnieper river. For 10 points, name this city that was once the capital of the Rus and is the current day capital of Ukraine.(RN)**

ANSWER: Kiev [or Kievan Rus]

BONUSES

1. This concept has been put forth by such authors and philosophers as Goethe and George Bernard Shaw. For 10 points each: (TG)

[10] Name this German philosophical concept which roughly translates to “Superman.” This hypothetical being is the antithesis of the apathetic “last man.”

ANSWER: **Übermensch**

[10] The Übermensch is a concept put forth by this German author of *Beyond Good and Evil*.

ANSWER: Friedrich **Nietzsche**

[10] Nietzsche also wrote this work, which discusses the balance between the Apollonian and Dionysian. In it, Nietzsche argues that Euripedes caused the downfall of the title artform.

ANSWER: *The **Birth of Tragedy** from the Spirit of Music*

2. For 10 points each, name these constitutional clauses. (RN)

[10] This clause allows for the Federal government to pass laws deemed necessary to carry out its job.

ANSWER: **Elastic** Clause [accept **Necessary and Proper** Clause]

This clause was empowered in the Supreme Court case *Gibbons v. Ogden* and gives congress regulatory power.

ANSWER: **Commerce** Clause

[10] The commerce and elastic clauses are found in this article of the constitution.

ANSWER: Article **1**

3. This thermodynamic quantity is represented with a capital S. For 10 points each: (MR)

[10] Name this thermodynamic quantity that represents the unavailability of a systems energy to perform work.

ANSWER: **entropy**

[10] This man’s namesake demon violates the second law of thermodynamics, because it allows for a system’s entropy to decrease.

ANSWER: James Clerk **Maxwell**

[10] One form of the third law of thermodynamics states that, at absolute zero, a perfect one of these solids has zero entropy.

ANSWER: **crystal**

4. When discussing marvels of Roman architecture, it is always good to begin with these waterways. For 10 points each: (TG)

[10] One of these constructions that brought water to Segovia from the river Frio is 16 kilometers long.

ANSWER: **aqueducts**

[10] This emperor had an impressive palace built for his retirement. He is also the namesake of Rome's largest imperial baths.

ANSWER: Gaius Aurelius Valerius **Diocletianus** [or **Diocles**]

[10] This temple that honored all of the Roman gods was finished during Hadrian's rule.

ANSWER: The **Pantheon**

5. In one of this author's collections, Miranda has an affair with a man named Dev, but breaks it off when she decides that she "deserves better". For 10 points each: (OK)

[10] Name this author, whose story "Sexy" appears in the collection *Interpreter of Maladies*.

ANSWER: Jhumpa **Lahiri**

[10] Lahiri's family comes from this country. Other authors from this country include Arundhati Roy and Vikram Seth.

ANSWER: **India**

[10] Lahiri's first novel was this one, in which Nikhil has the pet name "Gogol".

ANSWER: *The Namesake*

6. For 10 points each, answer the following about a man considered to have ushered in the Age of Discovery. (TG)

[10] Although generally not voyaging himself, this Portuguese prince sponsored many exploratory voyages.

ANSWER: **Henry** the **Navigator** [accept **Henry** the **Seafarer**; or Infante Henry, Duke of **Viseu**; or **Henrique o Navegador**; prompt on "Henry"]

[10] These ships that had shallow keels and could sail "against the wind" were particularly useful during the Age of Discovery.

ANSWER: **caravels**

[10] Prince Henry sent explorers to search for this river that flows through Senegal and its namesake country on the west coast of Africa.

ANSWER: the **Gambia** River

7. Bosch's *The Garden of Earthly Delights* was originally intended to serve as one of these pieces, an example of which is the *Maesta*. For 10 points each: (TR)

[10] Name this type of artwork popular during the late Middle Ages and Renaissance. One of these pieces intended for a church in Isenheim was painted by Matthias Grunewald.

ANSWER: **altarpiece**

[10] This large altarpiece has 12 panels, with the *Adoration of the Mystic Lamb* at its center when fully opened. It has survived being stolen numerous times, although *The Just Judges* panel is still missing.

ANSWER: ***Ghent Altarpiece*** [or ***Het Lam Gods***]

[10] The *Ghent Altarpiece* was painted by this Flemish artist and his brother Hubert. He is also attributed as the creator of around two dozen paintings, including *The Arnolfini Wedding*.

ANSWER: Jan **van Eyck**

8. The main function of these organs is blood filtration, as well as excretion of urine into the bladder. For 10 points each: (MR)

[10] Name these bean shaped organs that receive blood from the renal arteries.

ANSWER: **kidneys**

[10] This functional unit of the kidney contains the glomerulus and Loop of Henle.

ANSWER: **nephron**

[10] The Loop of Henle has the highest concentration of this ionic compound in the kidney. This compound is often found in nature in the form of the mineral halite.

ANSWER: **sodium chloride** [accept **NaCl**]

9. Name some things about Elizabethan dramatists who aren't Shakespeare. For 10 points each:

[10] This playwright penned the play *Arden of Faversham*, but was more famous for *The Spanish Tragedy*.

ANSWER: Thomas **Kyd**

[10] This play was written by Ben Johnson and follows the title greedy Venetian. His name is Italian for "sly fox" and he pretends to be on his deathbed.

ANSWER: ***Volpone***

[10] This other dramatist wrote the plays *The White Devil* and *The Devil's Law Case*. He also wrote about Antonio eloping with the title character in *The Duchess of Malfi*.

ANSWER: John **Webster**

10. For 10 points each, answer some questions about an Argentinian leader and his wife.

[10] This controversial general participated in a coup d'état against President Ramon Castillo and served as president of Argentina for three terms.

ANSWER: Juan **Peron**

[10] Peron and his 2nd wife, Eva Peron, were popular with the masses for their attempts to eliminate poverty and for support of labourers. Eva was referred to by this name, which also titles a musical by Andrew Lloyd Webber and a movie starring Madonna.

ANSWER: **Evita**

[10] Evita met with many heads of state on this tour of Europe. She was featured on the cover of *Time* magazine during this tour, and the popular name for it is taken from the cover's caption.

ANSWER: **Rainbow** Tour

11. We all know how important stringed instruments and horns are to orchestral music, but what about these other instruments? For 10 points each: (TG)

[10] Just think of all those films that would be poorer without this pipe instrument featured in Bach's Toccata and Fugue in D Minor.

ANSWER: **organ**

[10] The hammers on this keyboard instrument hit metal tubes suspended over wooden resonators. Tchaikovsky used it in "Dance of the Sugar Plum Fairies" from *The Nutcracker*.

ANSWER: **celesta**

[10] Ralph Vaughan Williams wrote a piece called *Romance for* [this instrument], which is also known as a french harp or mouth organ.

ANSWER: **harmonica**

12. The base units of this system are derived from constants in nature. For 10 points each: (MR)

[10] Name this system of units, which is the modern form of the metric system.

ANSWER: **International System** of Units [or **SI**]

[10] This unit is the last one to still be defined based on an artifact, which is a rod of platinum and iridium.

ANSWER: **kilogram**

[10] This temperature scale is the measure of absolute thermodynamic temperature.

ANSWER: **Kelvin**

13. In mid-August, this woman released a book outlining her time in the White House.

For 10 points each: (TG)

[10] Name this author of *Unhinged*, who served as director of communications for the Office of Public Liaison for a little less than a year.

ANSWER: **Omarosa** Manigault **Newman** [accept either underlined part]

[10] In what has been called “one of the worst White House security breaches ever,” Omarosa taped a conversation that she had with President Trump in this room. Formally known as the John F. Kennedy Conference Room, this room has advanced equipment allowing the President to deal with American forces around the world.

ANSWER: The **Situation** Room

[10] Omarosa’s first contact with Donald Trump appeared in three different versions of this reality TV series. She was “fired” in week nine of its first season.

ANSWER: *The **Apprentice***

14. The protagonist’s wife sends a letter suggesting he take up carpet dyeing for income in this novella. For 10 points each: (GP)

[10] Name this novella that explores 24 hours of a prisoner’s time working under Tyurin in the 104 gang.

ANSWER: **One Day in the Life of Ivan Denisovich**

[10] *One day in the Life of Ivan Denisovich* is by this Russian author, who also wrote *Cancer Ward* and *August 1914*.

ANSWER: Aleksandr **Solzhenitsyn**

[10] Ivan Denisovich is a prisoner in this type of camp that was prominent during the Stalinist era. Solzhenitsyn also wrote about an “archipelago” of this type of camp.

ANSWER: **gulags**

15. At one point in this story, the cat Pitty Sing causes Bailey to crash his car. For 10 points each: (OK)

[10] Name this story, which ends with the Misfit telling his companion “It’s no real pleasure in life.”

ANSWER: “**A Good Man is Hard To Find**”

[10] “A Good Man is Hard To Find” is by this author, whose other works of Southern Gothic fiction include the novel *Wise Blood* and the story “Everything That Rises Must Converge”.

ANSWER: Flannery **O’Connor**

[10] Another Southern Gothic writer is this woman, whose works include *The Heart is a Lonely Hunter* and *The Ballad of the Sad Cafe*.

ANSWER: Carson **McCullers**

16. For 10 points each, answer some questions about waterfalls. (TG)

[10] This UNESCO World Heritage site on the border of Argentina and Brazil actually has 275 individual falls and features a U-shaped gorge called the Devil's Throat.

ANSWER: **Iguazu** Falls

[10] This huge waterfall with indigenous name of "the smoke that thunders" is on the border of Zambia and Zimbabwe and is so loud it can be heard from miles away.

ANSWER: **Victoria** Falls

[10] Victoria Falls features this rare night-time phenomena that happens when light is refracted off of water droplets in the air. You may also see one of these for a few nights each month at Cumberland Falls in Kentucky.

ANSWER: **moonbow**

17. Cases that this psychologist published include Little Hans and the Wolfman. For 10 points each: (OK)

[10] Name this Austrian psychologist, who is credited with establishing the field of psychoanalysis.

ANSWER: Sigmund **Freud**

[10] This daughter of Sigmund Freud was also a psychologist, and she is generally credited with founding the field of psychoanalytic child psychology.

ANSWER: **Anna** Freud [do not accept or prompt on just "Freud"]

[10] In his later works, Freud branched out into more sociological writing, with works such as one titled for this figure and Monotheism. In it, Freud claims that this figure was born an Egyptian, not a Hebrew.

ANSWER: **Moses**

18. For 10 points each, answer some questions about the teachings of the Buddha. (TG)

[10] The Buddha taught that there were four of these aspects of suffering including the fact of suffering, the cause of suffering, the end of suffering, and the path to the end of suffering.

ANSWER: **Noble Truths** [prompt on truths]

[10] The fourth noble truth describes this other numerical concept that outlines the path to the end of suffering.

ANSWER: The **Eightfold** Path [or **Eightfold** Way]

[10] Each of the eight parts to the path are prefaced by this adjective. It indicates that things are as they ought to be.

ANSWER: **right**

19. Edward II was defeated in this crucial battle of the First War of Scottish Independence. For 10 points each: (TG)

[10] Edward was defeated at this battle while trying to relieve an English force occupying Stirling Castle:

ANSWER: Battle of **Bannockburn**

[10] The Scottish army that defeated Edward at the Battle of Bannockburn was led by this man who was co-Guardian of Scotland along with John Comyn.

ANSWER: **Robert** the **Bruce** [or **Robert I**; or **Robert Brus**; or **Roibert a Briuis**; or **Robert de Bruys**; or **Raibeart Bruis**; prompt on just “Robert”]

[10] Bruce and Comyn inherited the title from this man, whose forces won the Battle of Stirling Bridge before being drawn and quartered by Edward I.

ANSWER: William **Wallace**

20. Pencil and paper ready. Event A has a probability of 0.4 and Event B has a probability of 0.25. For 10 points each: (GP)

[10] If both are independent events, find the probability of A or B occurring.

ANSWER: **0.55** [or **55 hundredths** or **11/20**]

[10] If the probability of A and B occurring is 0, the events are known by this adjective.

ANSWER: **disjoint** [accept **mutually exclusive**]

[10] Given that both events are independent, find the probability that B occurs and A does not occur.

ANSWER: **0.15** [or **15 hundredths** or **3/20**]