

Florida Spring Tournament 2019

Tiebreakers and Extras

Edited by: Taylor Harvey, Tracy Mirkin, Jonathen Settle, and Alex Shaw

Written by: Jason Freng, David Gunderman, Paul Hansel, Taylor Harvey, Jacob Hujsa, Bradley Kirksey, Leo Law, Tracy Mirkin, Matt Mitchell, Jacob Murphy, Jonathen Settle, Alex Shaw, Chandler West

TOSSUPS:

A boy makes an offering of this spice every Thursday to the polecat-ferret Sredni Vashtar in a Saki story. The Dutch East India Company's attempt to monopolize this spice led to the Treaty of Breda, where the Dutch were ceded the tiny island of Rhun in exchange for Manhattan. The fallacious claim that traders would whittle this spice out of wood led to one of the nicknames of (*) Connecticut. Until the 19th century, this spice was only produced in the Banda Islands of modern day Indonesia. This spice of the genus *Myristica* comes from the same plant that produces mace. For 10 points, name this spice that, along with cinnamon, is added to eggnog.

ANSWER: **nutmeg**

<TH, Other Academic>

The limestone island of Jaina was an elite burial site for this culture, where several ceramic figures have been found. Controversy exists over whether a document named for the Grolier Club is actually from this civilization. Stone stelae from this culture are usually found near round lower stones called alters, examples of which have been found at Tonina and (*) Copan. The oldest example of explicit zero in the word comes from this culture's mathematics, which used a base-twenty numeral system. This culture's settlement of Tikal was the location of the oldest example of its Long Count calendar. For 10 points, name this Mesoamerican culture centered in the Yucatan peninsula.

ANSWER: **Mayan** culture [accept Classical **Mayan** Civilization; accept Post-Classical **Mayan**]

<TH, World History>

This island's tourist resort of Varosha has been abandoned since the 1970s. Othello's Castle and the Lala Mustafa Pasha Mosque are notable landmarks in this island's city of Famagusta. The Mesoria plain on this island lies between the Troodos and Kyrenia Mountains. The Annan plan was a proposal to ease tensions on this island that have been present since a 1974 (*) invasion by a country to its north. This island is home to the British overseas territories of Akrotiri and Dhekelia. This island is divided by a UN buffer zone called the Green Line, which separates it into Greek and Turkish portions. For 10 points, name this large Mediterranean island government from Nicosia.

ANSWER: **Cyprus**

<TH, Geography>

A painting by an artist from this movement hangs to the left of a portrait of Washington in the Oval Office. Another painting from this movement is framed by an arch and green curtain as a man reclining atop a column gazes out toward a cathedral, a Roman complex, and a pyramid. A painting from this movement depicts its founder holding a recorder while talking to the poet (*) William Cullen Bryant. Albert Bierstadt and the artist of *Kindred Spirits*, Asher Durand, are painters from this movement. A painting from this movement includes a small self portrait of its artist in the foreground and is set during a thunderstorm over the Connecticut River. For 10 points, name this art movement founded by Thomas Cole, a group of landscape painters who often depicted its namesake New York river.

ANSWER: **Hudson River** School [prompt on landscape art]

<CW, Painting>

In a novel by this author, Francie Dosson gives George Flack gossip about the Proberts to be published in the title tabloid. In another novel by this author, Lord Theign's plan to sell a Joshua Reynolds painting to the American billionaire Breckenridge Bender. In addition to *The Reverberator* and *The Outcry*, this author wrote another which details a prince's affair with Charlotte (*) Stant and his refusal to buy the title object, which was later bought by Maggie Verver. The protagonist of one of his novellas dies from malaria after visiting the Colosseum with Mr. Giovanelli. For 10 points name this author of *The Golden Bowl* and *Daisy Miller*.

ANSWER: Henry **James**

<JH, Long Fiction>

53 countries signed the Patent Law Treaty in the first year of this decade. The Northern Ireland Executive was created after the Saint Andrews Agreement was signed in this decade. After the Lisbon Reform Treaty was signed in this decade, Romania and Bulgaria became EU members. The end of the Second Sudanese Civil War and of the (*) Second Congo War both occurred during this decade. Large anti-globalization protests occurred in Prague in the first year of this decade during a meeting of the IMF. Kofi Annan ended his tenure as UN Secretary General during this decade, and was replaced by Ban-Ki Moon. For 10 points, name this decade during which the United States under president George W. Bush invaded Afghanistan and Iraq.

ANSWER: **2000s** [accept aughts or aughties; prompt on 00s or zeros]

<TH, Other History>

Jacobsen and Katsuki independently published asymmetric epoxidation reactions using one of these species named salen. A parameter associated with these species is scaled by the Racah parameter on the x-axis of Tanabe-Sugano diagrams. Reductive elimination reactions are favored when these species' bite angle is high. The spectrochemical series predicts whether these species will form low spin or high spin complexes, and the (*) d-orbital splitting caused by these species is the subject of crystal field theory. The number of bonds these species form is their denticity. The coordination number is the number of these chemical species bonded to a central atom. For 10 points each, what chemical species bind to a central metal atom to form coordination complexes?

ANSWER: **ligands**

<JS, Chemistry>

A black example of this animal associated with the North completes the Four Symbols in the Chinese constellations alongside the Azure dragon, Vermillion bird and White tiger. After Gong Gong damaged Mount Buzhou, Nüwa cut the legs off of one of these animals named Ao to prop up the sky. In Greek myth, a giant animal of this type would eat victims that (*) Sciron kicked off a cliff. Chukwa is one of these animals from Hindu myth often depicted with four elephants standing on top of it. A cosmic form of this animal named Kurma is the second avatar of Vishnu. For 10 points name this animal that is often depicted holding the world on its shell.

ANSWER: **turtle** [accept tortoise]

<JH, Mythology>

The cryptic final scene of Roberto Bolaño's novel *2666* features the writer Arcimboldi eating this food in a Hamburg park. A list of dozens of varieties of this food appear in all caps in a Jack Prelutsky poem in which Ebenezer Bleezer procures this food. A poem featuring this food notes of a corpse "If her horny feet protrude, they come / To show how cold she is, and dumb." Helen Vendler asserts that a poem named for this food takes place at a (*) wake, where this food is served to boys who "bring flowers in last month's newspaper." That poem titled for this food opens "Call the roller of big cigars" so he can "cup cupiscence curds" of this food. For 10 points, name this food named in the title of a Wallace Stevens poem about its "Emperor".

ANSWER: ice cream [accept ice cream sandwich; accept ice cream cones]

<TH, Mixed Lit>

The main theme of an E-flat major work in this genre utilizes a characteristic 3+2 rhythm; that rhythm replaces difficult quintuplets in a version of a work in this genre in the "Volksfest" movement. A work in this genre drew from the final passage in Goethe's *Faust* and the hymn *Veni creator Spiritus*. Another work in this genre has the nickname (*) "Saucy Maid" while a different work earned a "zeroth" designation after its composer declared that it did not count. A work in this genre uses three loud hammer blows in the *Andante Moderato* movement, while another is nicknamed "of a thousand" for its use of a large chorus. For 10 points, name this genre represented by Anton Bruckner's "Romantic" and Gustav Mahler's "Tragic," both large, multi-movement works for orchestra

ANSWER: symphony

<JH, Music>

The first direct evidence of gluons came from the observation of an event with this many jets in the TASSO experiment. A set of this many angles named for Euler ("oy-lurr") describes the orientation of a rigid body. In the expression for the root mean square velocity of the Maxwell-Boltzmann distribution, this number multiplies $R \cdot T$. The law of thermodynamics of this number is equivalent to the statement that, in a finite number of steps, it is impossible to reduce a system to zero (*) temperature. An unrestrained rigid body has six degrees of freedom in space with this many dimensions. In the right hand rule, this is the number of fingers used to represent axes. For 10 points, give this number, the number of spatial dimensions of our universe.

ANSWER: 3

<LL, Physics>

One of this economist's ideas was criticized in Ha-Joon Chang's 2007 article "Bad Samaritans" because it fails to account for the cost of adoption of new technologies. That idea developed by this economist was outlined in one of his works in a chapter titled "On Machinery." The principle that a government's choice between issuing debt or raising taxes to pay for (*) spending has no effect on the economy is referred to as this economist's "equivalence." This man used the example of Portuguese production of wine and English production of cloth to illustrate another of his ideas. For 10 points, name this author of *On the Principles of Political Economy and Taxation* who formulated the concept of comparative advantage.

ANSWER: David Ricardo

<DG, Economics>

BONUSES:

Answer some questions about a video game executive who died in 2015, for 10 points each:

[10] This former president of Nintendo was instrumental in promoting the DS and the Wii. Earlier in his career, he also helped save the EarthBound Series and Pokémon Gold and Silver.

ANSWER: Satoru **Iwata**

[10] While attending the Tokyo Institute of Technology, Iwata worked for this company as a part-time programmer. This company's name is a reference to *2001: A Space Odyssey* and has a logo of a dachshund dog incubating eggs.

ANSWER: **HAL** Laboratory

[10] Iwata was the mentor of Masahiro Sakurai and first pushed this video game idea of his, originally called Twinkle Popo. This pink blob video game character went on to represent HAL Laboratory in games like *Dreamland*, *Air Ride* and *Epic Yarn*.

ANSWER: **Kirby**

<JH, Pop Culture>

For 10 points each, answer the following about functions and relations in set theory:

[10] A function f with domain A has this property when for all x and y in A , (*read slowly*) f of x equals f of y implies x equals y . The stronger notion of a bijection has this property and is surjective.

ANSWER: **injective** [accept **injection**; accept **one-to-one**]

[10] This theorem states that if there is an injection from A to B and from B to A , then A and B have the same cardinality. This theorem is used to show that the injective relation on infinite cardinals is a partial order.

ANSWER: Cantor-**Schröder-Bernstein** theorem [accept **Cantor-Bernstein** theorem]

[10] Partial orders are relations that have this property as well as being reflexive and antisymmetric. Equality possesses this property because if x equals y and y equals z , then x equals z .

ANSWER: **transitive** [accept **transitivity**]

<JS, Other Science Math>

This poet wrote a series of poem about Crazy Jane that appear in his collection *Words for Music Perhaps*. For 10 points each:

[10] Name this Irish poet whose other female characters include Leda in “Leda and the Swan” and a stand-in for the real-life Maud Gonne, who appears in “Easter 1916.”

ANSWER: William Butler **Yeats**

[10] Another important woman in Yeats’ life was this collaborator of his who ran the Abbey Theater. Her own works include the play *The Rising of the Moon* and the collection of Irish legends *Cuchulain of Muirthemne*.

ANSWER: Isabella Augusta, Lady **Gregory**

[10] In a Yeats poem titled for Michael Robartes and one of these people, the male character explains that the dragon in a painting they are looking at represents a woman’s intellect. Yeats’ poem “Among School Children” closes by asking how we can know a person of this type from the action they perform.

ANSWER: **dancer** [accept “How can we know the **dancer** from the dance”]

<TH, Poetry>

Answer some questions about documentary filmmaker Kirsten Johnson, for 10 points each:

[10] The title of Johnson's 2016 documentary, edited from footage on numerous other documentaries, refers to her role in this capacity in numerous films. Roger Deakins and Emmanuel Lubezki are known for working in this role, which involves controlling the camera's image and lighting.

ANSWER: **cinematographer** [accept **director of photography**; accept **DP** or **DOP**; accept **Cameraperson**]

[10] Johnson acted as DP for the Oscar winning film *Citizenfour*, which focused on this man in Hong Kong.

ANSWER: Edward **Snowden**

[10] Johnson also was the cinematographer for the 2012 film *The Invisible War*, which focused on the systematic cover up of rape within this organization.

ANSWER: **United States Military** [accept any branch of the **United States Armed Forces** such as the **Army** or **Navy**]

<TH, Film>

The Windrose, a massive sundial at Sagres, was constructed under this leader. For 10 points each:

[10] Name this ruler who sponsored the ocean journeys that discovered the islands of Madeira and the Azores. Under his tutelage, Gil Eannes was the first European to lead an expedition past Cape Bojador on the Atlantic coast of Africa.

ANSWER: Prince **Henry** the Navigator [accept **Henrique** o Navegador; accept Infante Dom **Henrique**]

[10] Prince Henry the Navigator sponsored many voyages for this Iberian country which has been ruled by the House of Braganza and the House of Aviz.

ANSWER: Kingdom of **Portugal**

[10] The Portuguese navigators under Henry were the first to construct this type of sailing ship, which were smaller, lighter, and faster than the earlier barca ships.

ANSWER: **caravels**

<TH, European History>

In her book *Dreamworld and Catastrophe*, Susan Buck-Morss argues that the dream of the 20th century was the attempt to construct "mass" examples of this situation. For 10 points each:

[10] Give this term for an imagined society with perfect situations for its citizens. Thomas More wrote a political treatise describing one of these societies.

ANSWER: **utopias**

[10] Susan Buck-Morss is a leading scholar on the work of this German political philosopher, best remembered for his essay "The Work of Art in the Age of Mechanical Reproduction."

ANSWER: Walter **Benjamin**

[10] In *Dreamworld and Catastrophe*, Buck-Morss argues that after the decline of Communist countries, this practice may be the first truly global ideology. In an 1899 work, Theodore Veblen asserted that excess leisure time results in a specific type of this behavior.

ANSWER: **consumerism** [accept **consumption**; accept conspicuous **consumption**]

<TH, Philosophy>

This politician controversially refused to prosecute Steve Mnuchin's One West Bank when she was the Attorney General of her state. For 10 points each:

[10] Name this senator from California who is running for the Democratic presidential nomination for 2020. She is also known for asking tough questions during Brett Kavanaugh's confirmation hearing for the supreme court.

ANSWER: Kamala **Harris**

[10] In 2017, John McCain interrupted Harris' questioning of this man, the attorney general at the time, about his possible involvement with Russian Intelligence. He resigned after the 2018 Midterm Elections.

ANSWER: Jeff **Sessions**

[10] Trump nominated this man to be the replacement of Sessions. He earlier served as attorney general from 1991 to 1993 under George H. W Bush.

ANSWER: William **Barr**

<LL, Current Events>

This man hosted the controversial 1967 documentary *The Homosexuals*. For 10 points each:

[10] This journalist cost CBS its libel insurance after being sued by William Westmoreland for *The Uncounted Enemy*, a Vietnam War documentary. He's better known for hosting *60 Minutes* with Harry Reasoner.

ANSWER: Mike **Wallace**

[10] Drew Pearson told Wallace that this politician didn't write *Profiles in Courage*, but that speechwriter Ted Sorensen did, resulting in a 10 million dollar lawsuit from this politician.

ANSWER: John Fitzgerald **Kennedy** [accept **JFK**; prompt on **Kennedy**]

[10] Wallace inadvertently helped launch the black nationalism movement by producing this documentary with Louis Lomax. It prominently featured the Nation of Islam and Louis Farrakhan.

ANSWER: *The **Hate that Hate Produced***

<BK, American History>

In a work by this author, a disgraced attendant spirit instructs a passing cloud to recite a poem to his distant wife as the cloud travels over the landscape towards her. For 10 points each:

[10] Name this author from the 4th or 5th century CE, who wrote about the king Dushyanta in the play *The Recognition of Shakuntala*.

ANSWER: **Kalidasa**

[10] Kalidasa lived in this modern day country, and drew on this country's epic *Mahabharata* in his plays.

ANSWER: **India**

[10] Kalidasa's *Shakuntala* is divided into this many acts, which is two more than the number of acts used in all of Shakespeare's plays.

ANSWER: **seven**

<TH, Drama>

Examples of this type of system include instant runoff and first past the post. For 10 points each:

[10] Name this type of system used choose representatives. Those interacting with certain types of these systems may rank candidates based on preference.

ANSWER: **voting** systems [accept **electoral** systems]

[10] When two candidates have characteristics that are too similar, this “effect” may occur, causing vote splitting. In this effect, a minor candidate with a similar ideology may draw votes away from a major candidate, causing a much different candidate to win.

ANSWER: **spoiler** effect

[10] The spoiler effect is not an issue in this type of voting system, in which voters may choose as many candidates as they wish.

ANSWER: **approval** voting

<TH, Political Science>

Show your nerve and answer these questions on the cranial variety. For 10 points each:

[10] The hypo-glossal nerve is known for being related to this part of the body. Taste receptors cover this muscle in the mouth that facilitates chewing and speech.

ANSWER: **tongue**

[10] Another important cranial nerve is this eighth one, a sensory nerve that conducts hearing and balance. This nerve, part of the acoustico-facial bundle, has two roots that originate between the pons and the medulla oblongata.

ANSWER: **vestibulo-cochlear** nerve [accept **auditory** nerve; accept **auditory vestibular** nerve]

[10] The accessory nerve supplies the trapezius muscles, which is responsible for the movement of this joint. This joint is formed by the articulation of the head of the humerus with the glenoid cavity of the scapula.

ANSWER: **shoulder** joint [or **glenohumeral** joint]

<JF, Biology>

Answer some questions about female Christian mystics from the Middle Ages. For 10 points each:

[10] A 14th century woman from Siena with this name experienced a “Mystical Marriage” to Christ and wrote down a dialogue she had with God. A saint from Alexandria with this name was condemned to be martyred on a wheel.

ANSWER: **Catherine** [accept **Catherine** of Siena; accept Saint **Catherine** of Alexandria]

[10] The mystics Margery Kempe and Julian of Norwich were both from this country, whose church is overseen by the Archbishop of Canterbury.

ANSWER: **England** [accept **United Kingdom**; accept Great **Britain**]

[10] This German nun recorded her set of visions in her book *Scivias*. She also wrote morality plays and composed some of the earliest known sacred music in Europe.

ANSWER: **Hildegard** von Bingen [accept **Hildegard** of Bingen]

<TH, Religion>

Thank you to Zeno for all your love and support while we wrote FST and didn't pet you

