

**Pre-ICT and Nationals Open/Minnesota Open 2019 (PIANO/MO): “What about bad subject matter? Or a bad title drop, even? That could kill a tournament pretty good.”**

Written and edited by Jacob Reed, Adam Silverman, Sam Bailey, Michael Borecki, Stephen Eltinge, Adam S. Fine, Jason Golfinos, Matt Jackson, Wonyoung Jang, Michael Kearney, Moses Kitakule, Shan Kothari, Chloe Levine, John Marvin, and Derek So, with Joey Goldman and Will Holub-Moorman.

### Tiebreaker Tossups

**A poet with this last name described “one of those...emerald flies that always look “freshly generated from fresh excrement” in an elegy for his friend Erving Goffman. That poet with this last name was known for using extremely long, prose-like lines in books like 2003’s *The Singing* and 2000’s *Repair*. A poet with this last name asked “What common language to unravel?” in a poem that calls for “Nothing but the blank faces of the houses and cylindrical trees.” That poet with this last name invented the (\*) “triadic line” and claimed that “The pure products of America go crazy—” in a collection whose title poem begins “By the road to the contagious hospital...”. The collection *Spring and All* was published by a poet with this last name who called for “no ideas but in things” and worked as a pediatrician. For 10 points, give this last name of the poet who wrote *Paterson* and “The Red Wheelbarrow.”**

ANSWER: Williams [accept C.K. Williams or William Carlos Williams] <JR>

**Roslyn Weiss has argued that this work’s protagonist uses the phrase “especially an orator” to distance himself from the arguments presented in its second half. At the end of this work, the protagonist says that he hears “just as the Corybantes seem to hear their flutes,” since “the sounds of these words resonate within [him] and make [him] unable to hear the others.” In this work, a woman “clad in white” evokes Book IX of the *Iliad* by telling the protagonist (\*) “on the third day you will arrive to fertile Phthia.” The protagonist of this work argues that leaving the city without its permission would constitute breaching a contract. In this work’s second half, the protagonist engages in a hypothetical conversation with the laws of Athens. For 10 points, name this Platonic dialogue in which Socrates refuses the title figure’s offer to assist his escape from prison.**

ANSWER: Crito [accept Criton] <MK>

**This species is the namesake of the largest putative drug candidate library used in high-throughput chemical screens. A transporter for this species is targeted by autoantibodies in the most recently discovered cause of type I diabetes. In humans, levels of this species are controlled by mufflers or metallothioneins. Patients are given large amounts of this element in the treatment for Wilson’s disease. Recombinant insulin is purified in complex with this (\*) metal. This element polarizes water sufficiently well that it attacks carbon dioxide, forming a bicarbonate, during blood buffering. This element is used pharmaceutically to inhibit the rhinovirus receptor and prevent the virus’ replication. This metal’s stable +2 cation is found surrounded by histidines and cysteines in a common transcription factor motif. For 10 points, name this metal that’s commonly supplemented to treat colds.**

ANSWER: zinc [or Zn] <AS>

A “carved” frieze depicting *these figures* is situated above Mary’s bed in Ghirlandaio’s *Birth of the Virgin*. Three of these figures stand on a ledge and are thus depicted with severe foreshortening in a painting that depicts a planter resting precariously on a thin rod directly above the viewer. Faux-marble figures of them are depicted under the cornice of each rib on the ceiling of the Sistine Chapel. Four of these figures are the only figures in the top half of Raphael’s (\*) *Triumph of Galatea*. These figures form a “cloud” behind a green curtain in Raphael’s *Sistine Madonna*, in which two bored-looking ones lean their elbows on the bottom of the frame. A swarm of these figures fills Peter Paul Rubens’s *The Feast of Venus*. Renaissance painters often depicted—for 10 points—what chubby baby boys?

ANSWER: putti [or putto; or cherubs; or cupids; or amorini; or amorino; prompt on angels until mentioned] <JR>

While visiting her mother, the speaker of a poem from this country describes “my lonely life around me like a moor” and feels like she’s “turning into Emily Brontë.” Another poet from this country ended a poem with the image of “thin green shorts” and a “grubby yellow T-shirt” holding “cindery, non-existent, / radiant flesh” after a fire. After returning to this country during a breakup with George Barker, a poet from here wrote the long prose poem *By Grand Central Station I Sat Down and Wept*. A poet from this country has written experimental prose and poetry combinations in books like *Float* and (\*) *Nox*. That poet won this country’s first Griffin Poetry Prize and used fragments from Stesichorus’ *Geryoneis* for a book in which Geryon falls in love with Herakles, *Autobiography of Red*. For 10 points, name this home country of Anne Carson and Margaret Atwood.

ANSWER: Canada <DS>

This is the first instrument to come in above the string tremolos at the opening of Szymanowski’s first violin concerto. A set of five short pieces for this instrument and orchestra was one of Stravinsky’s first fully serialist work. *Carmina Burana* unusually requires two of these instruments, and Stravinsky required four of them in *Les noces*. Stravinsky’s concertante works for this instrument include his *Capriccio*, a set of (\*) *Movements*, and a *Concerto* for it and winds. A virtuosic part for this instrument features prominently in the second scene of *Petrushka*, which was originally written as a concert piece for it. A whip crack begins Ravel’s G-major concerto for this instrument. Ludwig Wittgenstein’s brother Paul commissioned several pieces for this piece played only with the left hand. For 10 points, name this keyboard instrument.

ANSWER: pianofortes [do not accept or prompt on “hurr durr the name of this set”] <JR>

The term “landscape of fear” was first coined to describe the non-consumptive behavioral effects of this animal species on others. David Mech and Durward Allen have published popular books about these animals living in Minong. Using an allometric relationship, Rolf Peterson predicted that these are the smaller of two animals whose populations oscillate at an average period length of 38. These animals may have facilitated growth of riparian species like willow trees, cottonwoods, and beavers, in a famous but (\*) controversial example of a land trophic cascade. In September 2018, a second try at genetic rescue of these animals was approved, after one of them nicknamed “Old Gray Guy” massively improved the breeding stock and rebounded a population in the late 90s after swimming across Lake Superior. For 10 points, name these carnivores that were brought back to Yellowstone and Isle Royale, where they prey on moose.

ANSWER: gray wolves [or wolf; prompt on predators] <AS>

**Pre-ICT and Nationals Open/Minnesota Open 2019 (PIANO/MO): “What about bad subject matter? Or a bad title drop, even? That could kill a tournament pretty good.”**

Written and edited by Jacob Reed, Adam Silverman, Sam Bailey, Michael Borecki, Stephen Eltinge, Adam S. Fine, Jason Golfinos, Matt Jackson, Wonyoung Jang, Michael Kearney, Moses Kitakule, Shan Kothari, Chloe Levine, John Marvin, and Derek So, with Joey Goldman and Will Holub-Moorman.

**Tiebreaker Bonuses**

Philosopher Elisabeth Lloyd argued that the idea that this biological phenomenon is an adaptation rather than a developmental by-product is an example of scientific bias in a book titled for “The Case of” it. For 10 points each:  
[10] Name this kind of sexual response. Sigmund Freud postulated a variety of this response that later doctors argued could be achieved by stimulating the G-spot.

ANSWER: **female orgasm** [or obvious equivalents; prompt on orgasm]

[10] This writer, who co-founded New York Radical Feminists with Shulamith Firestone, wrote in her pamphlet *The Myth of the Vaginal Orgasm* that self-interest and fear of obsolescence leads men to maintain the idea that vaginal penetration is enough for orgasm.

ANSWER: Anne **Koedt**

[10] The sex researchers Masters and Johnson found that unlike the male orgasm, the female orgasm is not followed by one of these periods in which further ejaculation is not possible.

ANSWER: **refractory** period <SK>

For 10 points each—answer the following about the earliest surviving Christian art:

[10] The most ancient surviving Christian paintings were discovered in a house church at *this* Roman border city in Syria. Its synagogue’s paintings are held in Damascus, while the church paintings are held by Yale.

ANSWER: **Dura-Europos**

[10] The oldest surviving church in Rome, Santa Sabina, includes an early depiction of the Crucifixion on *this* part of the building. The decorator of another of these things won a competition by beating Filippo Brunelleschi’s [broo-nuh-LEH-skee’s] version of *The Sacrifice of Isaac*.

ANSWER: **doors** (The other set is Lorenzo Ghiberti’s “Gates of Paradise.”)

[10] Santa Sabina’s apse was once decorated with *these* artworks, fifth-century examples of which still grace the interior of Santa Maria Maggiore. The interiors of the Hagia Sophia and Ravenna’s San Vitale in Ravenna are covered in these artworks, which are made of pieces called tesserae.

ANSWER: **mosaics** <JR>

For 10 points each—name some poems examined in Camille Paglia’s book *Break, Blow, Burn*.

[10] *Break, Blow, Burn* takes its title from a line in *this* John Donne sonnet, whose speaker complains that God “As yet but knock[s], breathe[s], shine[s], and seek[s] to mend.”

ANSWER: “**Batter my heart, three person’d God**” [accept **Holy Sonnet XIV**]

[10] Paglia used *this* poem as the “ultimate standard” for her book, praising its “sinewy modern English.” It describes a “shape with lion body and the head of a man” that stirs “somewhere in sands of the desert.”

ANSWER: “The **Second Coming**” (by W.B. Yeats)

[10] The final essay in *Break, Blow, Burn* examines the lyrics of *this* song, which Paglia describes as the most influential English-language poem since “Daddy.” Paglia interprets its singer’s dream of bombers “turning into butterflies above our nation” in the context of her disillusionment with 60’s counterculture.

ANSWER: “**Woodstock**” (by Joni Mitchell) <DS>

This piece's second movement opens with the piano arpeggiating down a C-minor triad in dotted notes, followed by a funeral march theme marked *marcato*. For 10 points each:

[10] Name this 1842 piece of chamber music whose last movement includes a double fugue integrating the opening theme of the first movement. Its first movement opens leaping up a minor seventh from E-flat to D-flat.

ANSWER: Robert **Schumann's Piano Quintet** in E-flat major [prompt on partial answer]

[10] Schumann's Piano Quintet influenced *this* composer's F-minor Piano Quintet, which Clara Schumann convinced him to arrange from a Sonata for Two Pianos. This man also wrote 21 *Hungarian Dances* for piano duet.

ANSWER: Johannes **Brahms**

[10] Franz Liszt pissed Schumann off by first describing his Piano Quintet as being too much like music from *this* city, and then insulting Felix Mendelssohn, a native of this city. The Piano Quintet was premiered in this German city's *Gewandhaus*.

ANSWER: **Leipzig** <SK>

This author's novel *King's Ransom* served as the basis for Akira Kurosawa's film *High and Low*. For 10 points each:

[10] Name this author of the 87th Precinct police novels. His book *Me and Hitch* recounts his work as a screenwriter for Alfred Hitchcock.

ANSWER: Ed **McBain** [or Evan **Hunter** or Salvatore **Lombino**]

[10] McBain's best-known work for Hitchcock was a screenplay based on *this* Daphne du Maurier story, in which Nat Hocken discovers Mrs. Trigg's body and attempts to save his own family from the title creatures.

ANSWER: "The **Birds**"

[10] This member of the Algonquin Round Table collaborated with Joan Harrison to adapt du Maurier's novel *Rebecca* for Hitchcock. In a play by this man, Duke Mantee's band of gangsters take over an Arizona diner.

ANSWER: Robert E(mmet) **Sherwood** (That play is *The Petrified Forest*.) <DS>

The Lewis lab at Utah State pioneered an unsuccessful approach for harvesting this protein from goats, though the startup Bolt Threads is working on making it in yeast, since its native host, *Bombyx mori*, is hard to culture. For 10 points each:

[10] Name this beta-sheet-rich protein that is increasingly being used as a biocompatible drug carrier because it spontaneously self-assembles into silk nanoparticles.

ANSWER: silk **fibroin**

[10] Silk fibroin forms tight beta sheets because it is entirely made up of repeats of these *three* amino acids. These three amino acids have the smallest side chains by molecular weight: a hydrogen atom, a methyl group, and a hydroxymethyl group.

ANSWER: **glycine** [or **G** or **Gly**]

**alanine** [or **A** or **Ala**]

**serine** [or **S** or **Ser**] [any order is acceptable; no credit for partial answers]

[10] Culturing spiders isn't a viable option for silk production either, since spiders tend to exhibit this behavior when cooped up together in vats. Redback spiders and praying mantises do it prior to or during copulation.

ANSWER: **cannibalism** [or word forms; or equivalents like **eating their mates**] <AS>

Albumin-shelled microbubbles used as a contrast medium for echo-cardiography are generated using this technique on a solid chunk of albumin. For 10 points each:

[10] Name this technique which is used to make aqueous emulsions by subjecting a sample to a high-frequency sound wave. It can also be used to make nanoparticle dispersions or to lyse cells.

ANSWER: **sonication** [accept word forms]

[10] Microbubbles made of phospholipid, on the other hand, spontaneously self-assemble around gas due to the ability of amphiphilic compounds to act as these species, which reduce surface tension at an interface.

ANSWER: **surfactants**

[10] The size distribution of nanoparticles and liposomes made by sonication can be measured using a Zetasizer in this technique, which reports on particle size by measuring a laser's intensity's autocorrelation function.

ANSWER: **dynamic light scattering** [or **DLS**] <AS>