

PARFAIT Round 4

Delaware
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1 Delaware Tossups, Round 4

1. Peaks in the same range as this one include Celo Knob, Gibbs Mountain, Big Tom, and Mount Craig, a nearby neighbor named after a governor who served from 1913 to 1917 and established the local State Park. Its namesake professor Elisha determined its height to be over 6,600 feet high, but died at a nearby Falls on a subsequent trip to verify his measurements. It is located in Burnsville in Yancey County, North Carolina among the Black Mountains. For ten points name this highest U.S. peak east of the Mississippi River.

Answer: Mount Mitchell

2. Most of it was ended by the Omnibus Budget and Reconciliation Act. As initially laid out, its focus was cities, the countryside, and classrooms, and its components were administered by the newly created Office of Economic Opportunity. Introduced in a 1964 speech at the University of Michigan, it challenged the audience to “give every citizen an escape.” Programs included VISTA, Upward Bound, and Head Start. For ten points name this kind of nation President Johnson attempted to build to reduce poverty.

Answer: Great Society (prompt on “Johnson’s War on Poverty” or similar)

3. Suggested sources for this character include George Arthur Klein, Arthur Hodister, and Lon Rom. His mother is described as half-English, his father half-French, but the narrator describes him as the wraith from the back of Nowhere. In the 1994 television version, John Malkovich portrayed this character. In the end his fiance is told he said her name, but in reality Marlow knows his last words were “The Horror, The Horror.” For ten points name this masterful European-gone-native in *Heart of Darkness*.

Answer: Kurtz

4. Its character Hannah Pitt imagines that she talks to a Mormon mother and that a travel agent takes her to Antarctica to flee her distant husband. Prior Walter, the 32nd of his name, believes he sees his ancestors, and that he travels to heaven to tell those present to sue God for abandonment. The imagined ghost of Ethel Rosenberg is present in its sixth chapter when Roy Cohn dies of AIDS complications. For ten points name this 1993 Pulitzer- and Tony-winner written by Tony Kushner.

Answer: Angels in America

5. In education, it describes the psychological view that the learner must take an active role in making sense of information. The so-called “second-wave” of Vygotsky [vye-GOT-skie] emphasized how social interactions and cultural norms shape learning. In art, it describes the movement of Naum Gabo, Antoine Pevsner, and Vladimir Tatlin who used metal, wire, and plastic to form abstract sculptures. For ten points give the term in common, so named because the knowledge and art in question is being “built.”

Answer: constructivism or constructivist

6. Its collections include *Papers on scientific worldview* and *Unified Science*, and the journal, which was called *Erkenntnis*, meaning “realization,” was published from 1930 to 1940. Originally known as the Ernst Mach Association, two factors that led to its dispersion

were the shooting by Johann Nelbock of its leader and the Nazi invasion of 1938. Members included Rudolf Carnap, Kurt Gödel, and Moritz Schlick. For ten points name this group associated with logical positivism that met in Austria.

Answer: Vienna Circle or Wienerkreis

7. It is sometimes called Guthrie's problem after the man who first proposed the theorem in 1853. A 2004 effort by George Gonthier and Benjamin Werner translated discrete cases into logical statements, but the cases derive from the unpopular Haken and Appel proof. As a 1975 April Fool's joke, Martin Gardner published a "counterexample" with 110 areas. For ten points name this mathematical statement proven by a combination of humans and computers that conjectures there exists an upper limit on the number of labels needed for non-boundary-sharing regions in planar maps.

Answer: four-color theorem

8. The first ship by this name was given to the navy by the Association of Newburyport Shipwrights in Massachusetts and named for a nearby body of water. The third ship by this name, designated AO-37 served in World War II. The second incarnation was located at the Norfolk Navy shipyard upon secession, and though the Union burned it during evacuation, its hull became the basis of the *CSS Virigina*. For ten points name this ship that as a Confederate ironclad clashed with the *Monitor*.

Answer: Merrimack

9. The name means "Heaven" in ancient Persian and may derive from a celestial body in the Book of Abraham as being near the home or origin of God. As first envisioned, it contained Egyptian-like ruins, left over after the polluted biome was abandoned. Reimagined in 2005, humans fled it on a ship named *Galleon*, and when they returned they discovered a map in the Temple of Athena to guide them to Earth. For 10 points—name this birthplace of humans in *Battlestar Galactica*, a homonym of a business programming language.

Answer: Kobol

10. First observed by its namesake in 1913, almost 20 years after a related phenomenon, this term refers to the breaking of symmetry of degenerate energy levels by a perturbation, which results in them having different energy values. In contrast to that similar effect, these different levels are not in general symmetric. Due to the political views of the Berlin Physical Society, in 1920 its discoverer organized a rival association of teachers that promoted "Aryan" views. FTP, identify this eponymous splitting of spectral lines in strong electric fields.

Answer: Stark effect

11. With empirical formula $C_5H_6N_2O_2$, and melting point at 316 degrees Celsius, it is ring structured with two carbonyl and one methyl group. Albrecht Kossel won the 1910 Nobel in Physiology for its discovery, and it was the first pyrimidine to be purified from a natural source, being isolated from beef spleen. Its nucleotides contain only deoxyribose and not ribose, which explains its absence in RNA. For ten points name this compound that base pairs with adenine.

Answer: Thymine or 5-methyluracil

12. The last time she is seen, she gives a soliloquy about only caring for oneself, says “we must meet again,” and despite intentions, she isn’t accompanied as far as the tube station. She is described as being about twenty-seven and athletic, with thick hair, and a freckled face. Since she has been seen carrying a spanner, the protagonist first believes she has a mechanical job in the Fiction Department in the Ministry of Truth. Later, he sees her wearing a narrow scarlet sash, the emblem of the Junior Anti-Sex League, during the Two Minutes Hate. For ten points name this liaison of Winston Smith in *1984*.

Answer: Julia

13. The group was made illegal after sailors stormed a naval fortress in the Gulf of Finland, but leaders continued to publish the *Socialist Messenger* from Berlin until 1923. Members included George Plekhanov, Fedor Dan, Irakli Tsereteli and the leader Julius Martov. Along with the Social Revolutionaries they formed a controlling block in the Petrograd Soviet. For ten points name this Russian “minority” party known as “the whites,” opposed by the majority Bolsheviks.

Answer: Mensheviks

14. This monarch supposedly wrote the letters in the politically sensational silver casket, garnished with the letter “F” suggesting that it may have originally belonged to Francis II. Led to the stronghold at Dunbar, she was effectively held captive by the Earl of Bothwell and coerced into her third marriage. Her second marriage to Lord Darnley was unpopular due to his Protestantism and the letters suggested that she was aware of the plot that murdered him. For ten points name this mother of James V of Scotland, whose downfall led to her execution by England’s Queen Elizabeth.

Answer: Mary, Queen of Scots or Mary Stuart (prompt on partial answer)

15. Large quantities of mummified ones were found at the temple of the ancient god Khepri at Heliopolis, and later they were placed on a mummy’s chest to symbolize the heart and immortality. The Egyptians thought they derived from dead matter since they were seen emerging from carcasses. Khepri was thought to be a large one rolling the sun across the heavens, much like its namesake rolls a ball across the desert. For ten points name this insect belonging to the order coleoptera.

Answer: scarab beetle or dung beetle

16. King Omri chose the site of their city in the ninth century BC, and today their descendants are clustered near Mount Gerizim. The ancient Romans knew them as the Sebaste, in the Talmud they are called the Kutim, and they call themselves the Shamerim meaning “Observant Ones,” or the “Children of Israel.” At the end of the Babylonian captivity, the Jews would not accept their help in building the Second Temple. For ten points name this group, one of whom is mentioned in the tenth chapter of Luke as aiding a sick traveler when others would not.

Answer: Samaritans

17. W. B. Yeats wrote an introduction to his most famous work, in which it is claimed that “Every morning at three... he sits immovable in contemplation, and for two hours does not awake from his reverie upon the nature of God.” Early works like *Manasi* and *Sonar Tori* are widely known in his homeland, but internationally he’s better known for a collection

of very short poems, mostly translations from the Bengali. For ten points name this author of *Gitanjali*, the Indian winner of the 1905 Nobel Prize in Literature.

Answer: Rabindranath Tagore or Gurudev

18. Dominated by a huge impact crater called Odysseus, the moon of Saturn by this name was discovered by Cassini along with Dione, Rhea and Iapetus. Existing until the late Miocene era, a body of water by this name was proposed by Eduard Suess and probably existed due to fossil evidence in the Himalayas. Indonesia occupies some of its area that was between the continents of Gondwana and Laurasia. For ten points give the name in common, both of which are named after the wife of Oceanus in Greek myth.

Answer: Tethys

19. Billy Joel's *This Night* uses the theme of the adagio second movement for the chorus stanza "It's only you and I." The first movement begins on a long C-minor chord, and proceeds into an allegro with the theme beginning on middle C against repetitive octaves in the bass. Dedicated to Prince Karl von Lichnowsky, performers often pair it with the Waldstein or Appassionata sonatas. For ten points name this Sonata number 8 of Beethoven's, named for the intense passion his publisher felt it exemplified.

Answer: Pathetique Sonata, Opus 13 (accept early Sonata Number 8 in C Minor)

20. Its center contains a stone bridge with a single arch, with several boats moored to the left. More than half of the top of the painting is dominated by the sky, while the bottom shows seven individuals who have presumably crossed the Schie River. On the left protected by a wall are several buildings with red roofs. For ten points name this cityscape located in Mauritshuis of The Hague, a work by Jan Vermeer depicting a town in western Holland.

Answer: View of Delft or Vue de Delft

21. The 1976 case *Rivera v. Delaware* held that it is the defendant's responsibility of proving this applicable. In *Leland v. Oregon* the court held that to apply it, the Constitution does not require any broader test than the M'Naghten formulation derived from the 1843 English House of Lords. Usually its determination requires a volitional prong involving control of the actions in question and a cognitive prong deciding whether the defendant understands the wrongfulness of the act. For ten points name this legal doctrine that usually results in the acquitted being committed.

Answer: insanity defense

2 Delaware Bonuses, Round 4

1. Name these religious groups and gatherings for ten points each.

10 According to the Sapiienti consilio of Pius X, its tribunals are the Sacred Penitentiaria, the Sacred Roman Rota, and the Apostolic Signatura. It also contains a Secretary of State.

Answer: Roman Curia

10 This council met over five periods from 1545 to 1563 and crafted responses to many of the claims of Protestantism. Paul III was elected Pope on the strength of his promise to convoke the event.

Answer: Council of Trent

10 This group featured in *The Da Vinci Code* was founded in 1928 by a Spanish priest to apply Christian principles to secular life and work. Members of the highest rank are known as numeraries.

Answer: Opus Dei

2. Name these people associated with the Rosetta Stone for ten points each.

10 While on Napoleon's expedition, this French captain and engineer is credited with discovering the stone.

Answer: Pierre-Francois (Xavier) Bouchard

10 This Englishman deciphered the Demotic script and published the 1823 *Account of the Recent Discoveries in Hieroglyphic Literature and Egyptian Antiquities*.

Answer: Thomas Young

10 This Frenchman expanded on the work of Young and deciphered the hieroglyphics. He also studied the Turin King list that gave a list of the pharaohs before Ramses II.

Answer: Jean-Francois Champollion

3. Name these terms related to displaced bones for ten points each.

10 Also called cleft spine, this defect of the vertebral column occurs when the laminae fail to fuse. Pregnant mothers can reduce the risk by taking supplemental folic acid.

Answer: spina bifida

10 These deformities of the big toe involve lateral displacement and an inflamed sac over a protruding bone. They can be the result of poorly fitted shoes.

Answer: bunion

10 This pain running down the longest nerve in the body starts in the lower back, through the pelvic region and down the back of the leg. A displaced vertebral disk often causes it.

Answer: sciatica

4. The Assyrians invaded Judah in 701 B.C. For ten points each name:

10 The son of Sargon II who was king of Assyria at the time.

Answer: Sennacherib

10 The successor to Ahaz who was king of Judah, whose name means “Yahweh strengthens.”

Answer: Hezekia

10 Any of the books of the bible in which these events are described, one of which prophesied the Messiah.

Answer: II Kings, II Chronicles, or Isaiah

5. Name these astronomical terms for ten points each.

10 Also articulated by the Englishman Richard Carrington, this law states that the mean latitude of sunspots varies systematically through a complete cycle.

Answer: Spörer’s law

10 The finite age and expanding character of the universe resolve this problem, which claims that the sky should have roughly the same brightness day and night.

Answer: Olbers’s paradox

10 This law states that v equals H -naught times D , where v is recessional velocity due to redshift, D is distance from the observer, and H -naught is a constant also found in the Friedmann equations.

Answer: Hubble’s law

6. Answer these questions about exploration of African bodies of water for ten points each.

10 While exploring the Zambezi river in 1856, who gave Victoria Falls their name?

Answer: David Livingstone

10 What British explorer was the first European to sight Lake Victoria and recognize it as the source of the Nile? Many of his travels were undertaken with the linguist Richard Francis Burton.

Answer: John Hanning Speke

10 What body of water between Niger, Nigeria, and Cameroon has shrunk considerably since its initial 1823 British survey?

Answer: Lake Chad

7. Name these seas around Indonesia for ten points each.

10 It lies between Borneo, Sulawesi, and Sumatra. The Karimata Strait links it to the South China Sea.

Answer: Java Sea

10 Merging with the Indian Ocean to the southwest, this sea separates Australia from a namesake island. Portugal claimed rights to its petroleum deposits.

Answer: Timor Sea

10 Bounded by the Timor, Coral, and Banda Seas, it lies between New Guinea and Australia.

Answer: Arafura Sea

8. Name these colonial governors for ten points each.

10 It was his refusal to allow Nathaniel Bacon to move against Native Americans that led to Bacon's Rebellion

Answer: William Berkley [BARK-lee]

10 The son of a founding father, he was the last Royal Governor of New Jersey. He fled to England after the war.

Answer: William Franklin (prompt on just "Franklin")

10 In 1701 he completed the "Charter of Privileges" which allowed its state's assembly to select its own officers and determine its schedule.

Answer: William Penn

9. Answer these questions about Hudson River painters for ten points each.

10 Originally from Hartford, Connecticut, what pupil of Thomas Cole painted the 1857 *Niagara Falls*?

Answer: Frederick Edwin Church

10 Cole collaborated with what New Jersey native who created the 1849 work *Kindred Spirits* depicting Cole and William Cullen Bryant?

Answer: Asher Brown Durand

10 What castle-like structure did Church build in the Catskill Mountains to get better views of the Hudson River Valley?

Answer: Oland

10. American men have trouble defeating Agassis. For ten points each :

10 The highest rated American man after Roddick and Agassi, though winning the RCA championships in July he was eliminated from the U.S. Open by Agassi in the semifinals.

Answer: Robby Ginepri

10 Rebounding from the 2004 loss of his father, breaking his neck, and a viral infection that paralyzed part of his face, in the Open he was ousted by Agassi in the quarter-finals in a fifth set tiebreaker.

Answer: James Blake

10 Son of a 1974 Australian Open finalist, though he has won four ATP singles titles he is better known for the Genworth Financial commercial in which he is challenged while playing the young Jaden Agassi.

Answer: Taylor Dent

11. This Perrault fairy-tale character is thought to be based on Gilles de Retz who tortured children during the time of Joan of Arc. For ten points each :

10 Who is this character depicted in an 1866 Offenbach operetta and a 1911 Bela Bartok opera?

Answer: Duke Bluebeard

10 In Bartok's text, this is the name of Bluebeard's newest bride.

Answer: Judith

10 Behind what final door of Bluebeard's Castle does Judith discover Bluebeard's three former wives?

Answer: the seventh door

12. Answer these questions related to the early Ottoman empire for ten points each.

10 The Ottoman empire gets its name from what thirteenth century son of Etrogul who established the state in Anatolia?

Answer: Osman I (prompt on partial answer)

10 Osman I moved the Ottoman capital to this Turkish city, currently the capital of its namesake province and Turkey's 4th largest city.

Answer: Bursa or Brusa or Prusa

10 This great sultan, called "the Conqueror," ruled from 1444 to 1446 and also from 1451 to 1481, during which time he captured Constantinople, thus putting an end to the Byzantine Empire.

Answer: Mehmed II or Mehmet II (prompt on partial answer)

13. Name these angels for ten points each.

10 This Islamic Angel of Death was the most fearful of God's creations, before whom the other angels cowered. He came for Muhammad at his death and waited an hour at the Prophet's request.

Answer: Izrail or Azrael (or other similar-sounding words, but nothing with an "f" in it, like "Israfil" [that's a different angel])

10 In Mormonism, he was a prophet who lived in North America in the fourth century. He delivered gold plates to Joseph Smith in 1827.

Answer: Moroni [more-RON**-eye]**

10 In the book of Tobit or Tobias, he accompanies Tobias to Egypt and heals the father of his blindness. Along with Michael and Gabriel he is the only other biblically named archangel.

Answer: Raphael

14. Answer these questions about a couple of poets for ten points each.

10 Influenced by Gauthier's motto of "art for art's sake," they sought exact form in response to Romantic poetry. Lesser-known members include José María de Heredia and Olavo Bilac.

Answer: Parnassians

10 This early Symbolist is probably best-known for his sensational affair with the Parnassian Paul Verlaine. "The Drunken Boat" and "A Season in Hell" are considered his greatest works

Answer: **Jean Nicholas Arthur Rimbaud**

10 After being released from prison for shooting Rimbaud, Paul Verlaine published what collection with a name meaning "wisdom," containing work with a religious slant?

Answer: Sagesse

15. Name these works based on the lives of Jewish individuals for ten points each.

10 Allen Ginsberg published this poem about the death of his mother. It begins with a walk on Seventh Avenue in Manhattan's Lower East Side.

Answer: Kaddish

10 This Yiddish text was originally titled *And the World Was Silent*. It begins as the story of a teenager living in the village of Sighet in the Carpathian Mountains.

Answer: Night or La Nuit

10 Writer's block plagues its main character, Charles Citrine, who is modeled on poet Delmore Schwartz. Charlie returns to Chicago to bury his mentor and receive his bequest.

Answer: Humboldt's Gift

16. Name these particles for ten points each.

10 This theorized mass-imparting particle has yet to be observed, which is probably due to the necessity of higher-energy colliders. It is a component of its namesake field, along with Goldstone bosons.

Answer: Higgs boson

10 Predicted by Gell-Mann and Zweig, this particle with a charge of positive two-thirds is found twice in a proton.

Answer: up quark

10 Like the electron and muon, it has a spin of 1/2, and it is the only lepton that can decay into hadrons. Martin Lewis Perl predicted it.

Answer: tauon or tau lepton

17. Answer these questions about Medea for ten points each.

- 10 A character in the story of Jason and the Argonauts, what King of Colchis was Medea's father?
Answer: Aeetes
- 10 In some versions of the story, Medea healed this only female Argonaut after the battle of Colchis. She outran many suitors in a foot race, but was distracted by some golden apples.
Answer: Atalanta
- 10 Jason abandoned Medea for Creusa, a princess from what Greek city?
Answer: Corinth
18. In a thought experiment, it allows particles through a trapdoor so that gases that started at equal temperatures eventually violate the second law of thermodynamics. For ten points each :
- 10 What is this creature envisioned by a Scottish physicist?
Answer: Maxwell's Demon
- 10 One response to the demon was by what Hungarian-American who worked on the Manhattan Project, who stated that the demon would need to measure velocity, which would require an expenditure of energy?
Answer: Leó Szilárd
- 10 Expanding on Szilárd, this man argued that the demon would need to store information about each molecule and eventually would have to erase old information. He also co-discovered quantum teleportation along with Brassard and others.
Answer: Charles H. Bennett
19. Name these South African works for ten points each.
- 10 This 2005 novel by Nadine Gordimer centers on Paul Bannerman, an ecologist in South Africa who is diagnosed with thyroid cancer.
Answer: Get a Life
- 10 This semi-autobiographical play by Athol Fugard is titled for two African servants Sam and Willie and the name they give the white character Hally.
Answer: Master Harold . . . and the Boys
- 10 The title character of this novel, which won J. M. Coetzee a Booker Prize in 1983, has a hare lip, and has difficulty dealing with other people while living in a country at war.
Answer: The Life and Times of Michael K.
20. Name these poetry terms for ten points each.
- 10 This metrical foot consists of two unstressed syllables and is also called a dibrach.
Answer: pyrrhic

10 From French for “to straddle,” it is the breaking of a phrase or sentence across two or more lines of poetry. The opposite is known as end stopping.

Answer: enjambment

10 This type of meter alternates between twelve and fourteen syllable lines. Its name derives from marketers who occasionally changed the size of a dozen.

Answer: Poulter’s measure