

Cardinal Classic XIII: The Legend of Zwarte Piet
Round 1

Questions by Berkeley—Implode into Elegance (Juliana Froggatt, Ray Luo, Eok Ngo, Seth Teitler)

1. This poem was one of several written in memory of Major Robert Gregory, who was killed in action in 1918 on the Italian front. Its protagonist muses that for his "countrymen Kiltartan's poor,/ No likely end could bring them loss/ Or leave them happier than before." The 14th and 15th lines contain perhaps the most famous chiasmus in English literature: "The years to come seemed waste of breath,/ A waste of breath the years behind." Beginning "I know that I shall meet my fate/ Somewhere among the clouds above," FTP, what is this Yeats poem about a countryman pilot?

Answer: An Irish Airman Foresees His Death

2. This man's name may mean "man of the javelin," "man of the Babylonian god Sin," "when he dies, judgment," or "when he dies, it shall be sent." This "it" was the Flood, which was sent in the year of his death. He appears in I Chronicles 1:3, Luke 3:37, and in Genesis 5, which traces his genealogy back seven generations to Adam. He was the grandson of Jared and son of Enoch, father of Lamech and grandfather of Noah. FTP, name this Biblical figure who died at the ripe old age of 969.

Answer: Methuselah or Mathusale or Mathusala

3. It reacts with sodium chloride, water, and oxygen in the Hargreaves process. Its oxidation is a major step in the lead-chamber process, and is catalyzed by platinum in the contact process. It reacts with hydrogen sulfide in the Claus process, which reduces pollution from the burning of natural gas and petroleum. Its oxidation in the atmosphere contributes to acid rain. FTP, name this triatomic molecule formed by elements 8 and 16.

Ans: sulfur dioxide or SO₂

4. Ancillary treaties to this series of treaties include Rastatt, Baden, Madrid, and The Hague. Portugal's sovereignty on both banks of the Amazon was recognized, and the size of France's Guiana was restricted. Britain promised to destroy Dunkirk, and got St. Kitts, Newfoundland, and Nova Scotia in return. Victor Amadeus II was recognized as king of Sicily, the royal title of Frederick I of Prussia was acknowledged, and Louis XIV's grandson, Philip V, gained a throne. FTP, name this 1713-14 series of treaties that ended the War of the Spanish Succession.

Answer: Peace or Treaty of Utrecht

5. The main group burlesques a group of river gods in Raimondi's engraving *The Judgement of Paris*. It has been suggested that the finch at the top center is being offered a perch by the man on the right. Its original title in the catalogue of the Salon de Refusé, *Le Bain*, alludes to the woman wading in the background. Inspired by Titian's or Giorgione's *The Pastoral Concert*, FTP name this Manet painting of a picnic with two well-dressed men and a nude female.

Ans: Dejeuner sur l'Herbe or Luncheon on the Grass

6. Born in Chicago in 1870 with the first name Benjamin, he moved with his family to San Francisco. He tried to establish himself as a travel writer for the SF Chronicle covering the Boer War before he was captured by the Boer Army and deported from South Africa. Continued work as a journalist had him covering the Spanish-American War for McClure's magazine. Greatly influenced by the works of Emile Zola, he wrote a historical account of farmers' struggle against railroad interests. FTP, who is this author of the trilogy *The Epic of Wheat*, which includes *The Octopus*?

Ans: Frank(lin) Norris

7. In the context of graphical models, they are sigmoidal asymmetrical parallel Boltzmann machines. Consisting of nodes whose values are a nonlinear function of a linear combination of parent nodes, these structures are really Bayesian networks with a logistic activation function. Undermined by Papert and Minsky, the most popular variety is the multilayer perceptron, for which Back-propagation is the dominant learning algorithm. FTP name these AI models of connectionist circuitry in the brain.

Ans: Neural networks

8. Although this book's author died in 2000, a new edition was just published, "Fully Revised and Completely Updated for the 21st Century". It isn't a cook book, but it does divide its subject into "Appetizers," "Main Courses" and "Sauces and Pickles". Containing tips and advice on such subjects as the use of deodorant, pubic hair, AIDS, dildoes, vibrators, pornography, and such positions as the "Chinese Shag Swing" and "little death", this is, FTP, what book by Dr. Alex Comfort about the pleasure of intercourse?

Answer: The Joy of Sex

9. Both Fort Pickens and it were to be reinforced, with Gustavus Fox headed to aid the garrison. But the Powhatan, the flagship of its fleet had left for Fort Pickens by mistake, leaving Fox with the decision to wait for the morning light to land. A civilian farmer, Edmund Ruffin, gave the initial order to fire at 4:30 AM. After 34 hours of fighting, the only casualty was a horse on the side of the aggressors. The defending commander, Major Robert Anderson, was a West Point gunnery instructor of the attacking commander, General P.G.T. Beauregard. FTP, what is this assault that occurred on April 12, 1861, the starting point of the Civil War?

Ans: Fort Sumter

10. Dedicated to Franz Liszt, it was first performed by Arthur Sullivan in London, where the composer served as soloist. Inspired by the instrumentation of "Hunnenschlacht," it consists of two long movements in C minor. Its Paris premiere prompted Charles Gounod to declare its composer as the "French Beethoven." FTP name this cyclic symphony by Camille Saint-Saens named after a piped keyboard instrument.

Ans: Organ Symphony or Symphony No. 3 in C minor of Saint-Saens

11. The cities of Claveria and Aparri lie to the south of the Babuyan islands off the north shore of this island. The highest peak on the island is Mt. Pulog in the Cordillera Central. Along with the Sierra Madre, they form a valley where the Cagayan River flows to the island's namesake strait. The Pasig River connects the largest inland body of water, Laguna de Bay, to a bay that shares its name with the nearby capital city. Slightly larger than Mindanao, FTP, what is this major island of the Philippines that contains the city of Manila?

Ans: Luzon (prompt on Philippines before "this island").

12. The author of this play conceived of it as the first in a "trilogy of the theatre in the theatre", along with *Each in His Own Way* and *Tonight We Improvise*. In it, a father unwittingly seduces his stepdaughter, who is working as a prostitute for the dressmaker Madam Pace [PAH-chay]. Earlier, the two of them, along with the Mother, the Son, the Boy, and the Child interrupted a rehearsal of *Mixing It Up*, and convinced the Stage Manager to help them with their play instead. FTP, name this Luigi Pirandello work about people trying to finish the play they're in.

Answer: Six Characters in Search of an Author or Sei personaggi in cerca d'autore

13. The ghost of Volva the seeress told of the preparations for his reception in Hel's palace. His sons were Brono and Forseti, and the giantess Hyrrokin launched Ringhorni with his funeral pyre. He lived in Breidablik with his wife Nanna. Frigga extracted promises from almost everything not to hurt him. The most beautiful of the Aesir, FTP name this Norse god who was killed by his brother Hoder with a spear of mistletoe.

Ans: Baldur

14. She's probably under 21, but produces her own beer, the Victory Red Lager. Her favorite show is *Friends* and she's guest-appeared on *The Hunt for Red October*, *Animal House*, and *Ace Ventura, Pet Detective*; but if you make noise, "she will come." She "owns" the Fox Sports score board, but don't you dare put her in a plastic bag. Created by a video crew before a June 2000 Giants game, FTP, name this run-producing primate who saved the season for the Anaheim Angels.

Ans: Rally Monkey

15. Recently, the embryo method was used with preimplantation diagnosis to help avoid the birth of children with sickle cell anemia. The percutaneous method often involves the use of an X-ray or CT scan which assists the needle. The open type is performed during a surgical procedure. This procedure is an essential part in diagnosing most forms of cancer, especially breast cancer. FTP, what is this procedure that is basically the removal of tissue for examination and testing, also called tissue sampling?

Ans: Biopsy (prompt on tissue sampling before it is mentioned)

16. With a high level of income and a low interest rate, it can indicate the presence of a liquidity trap. The steeper it is, the less fiscal policy works. An expansionary monetary policy will cause it to shift outwards. The Hicks-Hansen model combines it with the interactions of the IS model. FTP, what is this curve representing the money market, that can be derived from the money supply and demand curves, named with the 12th and 13th letters of the alphabet?

Ans: LM Curve (prompt on IS-LM or IS before it is mentioned)

17. Mr. Yates takes the part of Baron Wildenhaim, and Mr. Rushworth struggles to learn 42 speeches, for the play *Lovers' Vows*. Containing the author's first favorable portrait of a clergyman since Mr. Collins, this novel's timid heroine goes to live with her uncle's family at the age of ten. Henry Crawford woos her, but she already loves her cousin Edmund Bertram. FTP, name this Jane Austen novel focusing on Fanny Price.

Ans: Mansfield Park

18. The voice of Amphithea in Disney's *Hercules*, the TV series. The role of abused Kelly Riker in *The Rainmaker*. The voice of San in the English dubbed version of *Princess Mononoke*. She's set to star as Kate Brewster in *Terminator 3* and Mirabelle in *Shopgirl*. The role of Beth March in *Little Women*. More recent works include starring in *Brokedown Palace*, *Mod Squad*, and *The Hours*. Angela Chase in the short lived TV series, *My So Called Life*. FTP, who is this young star of movies like Baz Luhrman's *Romeo + Juliet* and *Igby Goes Down*?

Ans: Claire Danes

19. Introduced by Sommerfeld, it can be accurately determined using the Hall resistance, and the Lamb shift is approximately given by the rest energy times this parameter to the fifth. It gives the correction terms to the gyromagnetic ratio for electron spin, and is equal to the square root of the classical electron radius over the reduced electron Compton wavelength. Given in cgs units by the formula e^2 squared over $\hbar c$, Eddington tried to prove that it was exactly 1/136. FTP, name this electromagnetic coupling constant, equal to about 1/137.

Ans: fine structure constant (prompt on alpha)

20. In 46 BCE, he married and divorced Publilia. In the previous year, he had divorced his wife of 30 years, Terentia. The next year, his beloved daughter died, just three years before he himself was killed. He fought in the Civil War under Pompeius Strabo; was quaestor in Sicily in 76 BCE, leading to his successful impeachment of the corrupt governor Gaius Verres; and served as praetor in 66 BCE, when, in his *Pro Lege Manilia*, he supported Pompey's appointment to conduct the war against Mithridates. FTP, name this orator who saved Rome by foiling Catiline's conspiracy, only to be executed 20 years later for his *Philippics* against Marc Antony.

Answer: Marcus Tullius Cicero

21. His design for the staircase in the vestibule of the Laurentian Library was followed after his death. In his Sonnet 15, he wrote, "The greatest artist has no conception which a single block of marble does not potentially contain within its mass." He created a statue of Moses sometimes known as the Horned Moses for the tomb of Pope Julius II. FTP, name this sculptor of two Pietas and a marble *David*, the painter of the ceiling of the Sistine Chapel.

Ans: Michelangelo Buonarroti

22. It notes that nothing is so astonishing as the amount of ignorance accumulated in the form of inert facts. Relating a symbol of infinite moral force with that "sentiment strewn with fig-leaves in America," it admits that victory over sex is regarded as society's greatest triumph. But Americans cared nothing for the sex of the engine until they could measure its energy, hence the title subjects were lost even to an artist like St.

Gaudens. FTP name this essay, a chapter from the autobiography of Henry Adams.

Ans: The Dynamo and the Virgin

23. McTaggart's notion that "Time is unreal" has no meaning. Inspired by Hume, they consisted of luminaries like Feigl, Neurath, and Waismann. Godel was associated with them but Wittgenstein pulled himself away. Using the exactness of mathematics and the philosophy of Comte, they sought to root out mysticism and metaphysics by the analysis of language. FTP name this group that includes Moritz Schlick and Rudolph Carnap, based in Austria.

Ans: Vienna Circle or Logical Positivists

24. Their Longhouse religion grew out of the vision of prophet Handsome Lake. Surrounded by the Montagnais, Petuns, and Abenakis, they were dominated by men who owed their positions of power to their maternal relations. Siding with the British, then the French, they were moved into Canada and reservations in New York after the Revolution. Consisting of the Onondagas, Cayugas, Oneidas, Senecas, and Mohawks, FTP, name this league of five Indian nations.

Ans: Iroquois league or confederacy

25. During this campaign, the armor of sixteen knights was hung on the walls of Belgrade, where they were caught pillaging; Franks plundered the area around Nicaea; Germans took the castle Xerigordon before surrendering to besieging Turks; Kilij Arslan was routed at Dorylaeum; Baldwin of Boulougne took Edessa; Peter Batholomew claimed to find the Holy Lance in St. Peter's Cathedral in Antioch, which was now under siege by the Turks under Kerbogha; and Jerusalem was taken in mid-July. FTP, name this 1095 to 1098 Crusade preached by Pope Urban II at the Council of Clermont.

Answer: The First Crusade

26. The mnemonic "Henry Schwartz Earnestly Votes For The Greatest Person," with a square diagram, can be used to derive his namesake relations. He showed that Saturn's rings are composed of many small bodies, introduced a displacement current term to Ampere's law, and predicted the existence of electromagnetic waves. FTP, name this physicist whose four equations unify electromagnetism.

Ans: James Clerk Maxwell

Bonii

1. Name these Roman emperors FTPE.

10) He created the Tetrarchy, picking Galerius as his Caesar and Maximianus as the Western Augustus; Maximianus chose Constantius I Chlorus as his Caesar. He ruled from 284 to 305, when he and his co-emperor abdicated.

Answer: Diocletian

10) After Valens and his army were destroyed at Adrianople in 378, this man became Emperor of the East. During his reign, he was threatened with excommunication by Archbishop Ambrose of Milan and later defeated Eugenius and Arbogastes at the Battle of the River Frigidus.

Answer: Theodosius I or the Great

10) This Byzantine Emperor tried to reconquer the lost Western Roman Empire, but after a time he was unwilling or unable to send reinforcements to his brilliant general Belisarius. He did, however, oversee a successful codification of Roman law.

Answer: Justinian

2. Name the father of each of these Dickens characters FTPE. In case there is a conflict, name the man who raises them rather than the biological father.

10) Tom and Louisa, *Hard Times*

Ans: Thomas Gradgrind (prompt on partial answer)

10) Phillip Pirrip, *Great Expectations*

Ans: Abel Magwitch

10) Charles Darnay, *A Tale of Two Cities*

Ans: Marquis St. Evremonde

3. Philosopher from quotes for 15, or works for 5.

15) "Consciousness makes possible and necessary the fact that such an existing and thus determined Object is intended in it, occurs in it as such a sense."

5) *Logical Investigations, The Idea of Phenomenology.*

Ans: Edmund Husserl

15) "Nothingness lies coiled in the heart of being, like a worm."

5) *Being and Nothingness, Nausea.*

Ans: Jean-Paul Sartre

4. Answer the following on supernovae FTPE.

10) At a temperature of about 10 billion Kelvin, photodisintegration of this isotope, with the highest binding energy per nucleon, hastens collapse.

Ans: iron-56

10) About 99% of the energy of the supernova is carried off in a flood of these uncharged, nearly massless particles.

Ans: neutrinos

10) This process can generate neutron-rich nuclei past bismuth-209, in contrast to the s process, and is characterized by many neutron captures per beta decay.

Ans: rapid process

5. Given some members, name the band, FTPE.

10) Ray Davies, Dave Davies, Mick Avory

Answer: The Kinks

10) Sid Barrett, Roger Waters, David Gilmour, Nick Mason

Answer: Pink Floyd

10) Burton Cummings, Randy Bachman, Garry Perterson

Answer: The Guess Who

6. FTPE, given a U.S. Secretary of State, name the president he served under.

10) Dean Rusk (either president)

Ans: John F. Kennedy or Lyndon B. Johnson

10) Robert Lansing

Ans: Woodrow Wilson

10) John Foster Dulles

Ans: Dwight D. Eisenhower

7. Answer these questions about freedom, peace, fidelity, and temptation as envisioned by a deaf man
FTSNOP.

10) It took Ludwig van Beethoven more than 10 years to write this, his only opera.

Ans: Fidelio or Married Love

10) For 5 pts each, give the real name of Fidelio and the name of her captive husband.

Ans: Leonore and Florestan

5) Beethoven could decide on neither the title nor the overture. How many different overtures did he write for *Fidelio*?

Ans: 4 (*Leonore Overture Nos. 1, 2, 3, and Overture to Fidelio*)

5) In what Stanley Kubrick film did Dr. Bill Hartford use "Fidelio" as the secret password to enter a mysterious mansion full of ex-super models acting as high-class whores?

Ans: Eyes Wide Shut

8. Name these Edgar Allan Poe poems from lines, FTPE.

10) It was many and many a year ago,/ In a kingdom by the sea,/ That a maiden there lived whom you may know

Ans: Annabel Lee

10) Thy Naiad airs have brought me home/To the glory that was Greece,/And the grandeur that was Rome.

Ans: To Helen [do not accept "Helen"]

10) It was night in the lonesome October/ Of my most immemorial year;/ It was hard by the dim lake of Auber,/ In the misty mid region of Weir

Ans: Ulalume

9. Given an Australian geographic feature(s), name the state that it is found in FTPE.

10) Mount Kosciusko

Ans: New South Wales

10) Uluru or Ayer's Rock

Ans: Northern Territory

10) the city of Canberra

Ans: Australian Capital Territory or ACT

10. Name the following characters from the story of Beowulf, FTPE.

10) Looking for revenge, this monster kidnaps and kills Aeschere. Beowulf kills her with a magic sword which once belonged to giants.

Ans: Grendel's mother

10) This Danish king's hall Heorot is attacked by Grendel.

Ans: Hrothgar

10) Beowulf's nephew, he is the only nobleman to stay by Beowulf's side in the fight against a dragon which claims Beowulf's life.

Ans: Wiglaf

11. Name these tyrants, FTPE.

10) This man, the first of an eponymous line of Athenian tyrants, seized power three times and was expelled twice. After the Battle of Pallene, in 546 BCE, he expelled the Alcmeonidae.

Answer: Peisistratos or Peisistratus

10) This elder son of Peisistratos became tyrant after his father's death in 528 BCE.

Answer: Hippias

10) Hippias' brother, he brought the poets Anakreon and Simonides to Athens before his murder in 514 BCE by Harmodius and his lover Aristogeiton.

Answer: Hipparchos or Hipparchus

12. Name the following mechanisms of evolution FTPE.

10) This is microevolution in the gene pools of small populations. The bottleneck effect and founder effect are both examples.

Ans: genetic drift

10) This type of speciation occurs when a population fragments into two or more geographically isolated populations.

Ans: allopatric speciation

10) Darwin's finches provide an example of this, the emergence of many species from a common ancestor that spreads to several new environments.

Ans: adaptive radiation

13. Works by Herman Melville FTPE.

10) This gothic novel centers on the title character's discovery of a dark maiden who might be his unacknowledged half sister. The last 150 pages bitterly reflects on Melville's own literary career.

Ans: Pierre, or the Ambiguities

10) Based on his experience on the man-of-war *United States*, this work is considered a creative equilibrium that is overshadowed by *Moby-Dick*.

Ans: White-Jacket

10) The title character comes on board the *Fidèle*, the American ship of faith, in a series of disguises and demonstrates that no real Christians are aboard.

Ans: The Confidence-Man

14. Name these earliest dynasties of China FTPE.

10) Enduring from 1700 to 1027 B.C., it was founded by an agricultural rebel leader. Cattle bone writing and bronze metallurgy were developed.

Ans: Shang

10) Separating myth from reality of this dynasty is difficult, but ancient texts and excavations at Henan [HER-NAN] have confirmed its existence from 21st to 16th century B.C.

Ans: Xia

10) With capital at Hao, near Chang'an, it had a proto-feudal system of government fortified by a mandate of heaven for its rulers. In 771 B.C. its court was sacked by barbarians and the capital was moved eastward to Luoyang, beginning the Spring and Autumn period.

Ans: Zhou

15. Name these lesser-known Shakespeare plays from clues FTPE.

10) Plutarch's "Life of Antonius" was a source for this play about a Greek whose friends abandon him when he runs out of money.

Ans: Timon of Athens

10) Robert Greene's novel *Pandosto* was a source for this play in which Perdita and Florizel fall in love, and Antigonus exits pursued by a bear.

Ans: The Winter's Tale

10) The ancient tale of Apollonius of Tyre was a source for this play about a prince who is eventually reunited with his daughter Marina.

Ans: Pericles, Prince of Tyre

16. Identify these lonely main characters from the Final Fantasy series FTPE.

10) He wanted to be in SOLDIER and emulate his hero, the mighty Sephiroth. He doesn't have a care in the world and just wants to be left alone ... until one day, he discovers that the world is a complete lie, created by himself.

Ans: Cloud Strife

10) He is named after one of the Light Warriors of Final Fantasy 1, but you may know him better as an anti-social kid who still longs for the presence of his "Sis." His birth is mysterious enough, but rumor has it that he is the son of Laguna and Raine.

Ans: Squall Leonhart

10) He is the "original sinner" and his last name is Highwind. His true adventure begins after the end of the game, in which he leaves everyone behind to restore his honor at Mt. Ordeals.

Ans: Kain Highwind

17. Given a Bond girl, name the Bond movie in which she appeared, FTPE.

10) Honor Blackman

Answer: Goldfinger

10) Diana Rigg

Answer: On Her Majesty's Secret Service

10) Halle Berry

Answer: Die Another Day

18. Answer these questions about Sikhism FTPE.

10) This the first Guru that is said to have founded the religion.

Ans: Guru Nanak Dev

10) This sacred text of Sikhism and is not worshipped but respected as idol worship is rejected.

Ans: Guru Granth Sahib or Adi Granth

10) This tenth and last guru of Sikhism was not followed by another man but by the Granth Sahib itself.

Ans: Guru Gobind Singh

19. Given a silicate gem variety, name the broader class that it falls under due to its base chemical formula FTPE. (e.g. if given hessonite or rhodolite, the answer would be garnet.)

10) Emerald

Ans: Beryl

10) Amethyst

Ans: Quartz

10) Jade or Jadeite

Ans: Pyroxene

20. Identify these branches of anthropology FTPE.

10) The recovery, analysis, and interpretation of physical manifestations of human activities.

Ans: archeology

10) The branch of cultural anthropology that studies human societies.

Ans: ethnography

10) The branch of physical anthropology that studies the behavior of nonhuman animals.

Ans: ethology

21. Name the American literary movement given practitioners, FTPE.

10) Frank Norris, Stephen Crane, Theodore Dreiser

Answer: naturalism

10) William Dean Howells, Mark Twain, Henry James

Answer: realism

10) Henry David Thoreau, Ralph Waldo Emerson

Answer: transcendentalism

22. Terms from statistics FTPE.

10) Finding parameters that maximize some probability distribution.

Ans: estimation

10) Deciding whether to accept or reject the null based on sampled evidence.

Ans: hypothesis testing

10) Partitioning the variability in an experiment to be accounted for.

Ans: ANOVA or analysis of variance

23. Identify the American colonies FTPE.

10) Named after the king of the Restoration period, this colony developed economic ties with the British West Indies, exporting Indian slaves and rice. Sons of English families were attracted to the busiest seaport in the South, giving it an aristocratic flavor.

Ans: South Carolina

10) John Rolfe saved the economy of this colony by perfecting the methods of tobacco growing in

Jamestown.

Ans: Virginia

10) Isolated by the graveyard of the Atlantic, this most democratic of the colonies harbored drifters who grew tobacco on small farms.

Ans: North Carolina