

**Cardinal Classic XIII: The Legend of Zwarte Piet**  
**Round 12**

**Elvis Round 1, with Fresno State and a smattering of Cornell**

**Tossups**

1.) He scored the run which made Ken Johnson the first pitcher to lose a complete game no-hitter, and is also the only player in major league history to play 500 games at 5 different positions, one of the reasons that he is ranked as statistically least similar to any other player in history on baseball-reference.com. As a manager, he was suspended for 30 days due to a shoving match with umpire Dave Pallone. During the 1970 All-Star game, he ran over catcher Ray Fosse, whose shoulder he dislocated. FTP, name this despicable ex-player with an abominable haircut, baseball's all-time hits leader.

Answer: Pete Rose

2.) This equation can be derived from the definition of the equilibrium constant for ionic dissociation. It is really a first-order Taylor expansion of the pH of a system as initial concentrations are changed. It is most often applied where the change of pH is non-linear, namely in a buffered system. For 10 points, what equation relates the pH of a buffer solution to the pKa plus the logarithm of the ratio of base to acid?

Answer: Henderson-Hasselbach Equation

3.) He wrote only one play, *The Brass Butterfly*, which was adapted from his short story "Envoy Extraordinary." His Sea Trilogy about Edmund Talbot, a sailor making his way to Australia, is composed of *Rites of Passage*, *Close Quarter*, and *Fire Down Below* and was written over a nine-year period during which he also wrote *The Paper Men*. His early novels, such as *Pincher Martin* and *Free Fall*, are considered his best by some critics, but it was his first novel, written in 1954, that made him famous. FTP name this man who wrote about Jack, Ralph, and Piggy in *The Lord of the Flies*.

Answer: William Golding

4.) In recent years, this organelle has been discovered to play a roll in cell cycle regulation, senescence, and silencing genes. Prominent in neurons and embryonic cells, unlike surrounding areas, it does not stain by the Feulgen reaction. Its major function is the production 28S, 18S, and 5.8S rRNA, used in the assembly of ribosomes. FTP, name this knot of chromatin and subdivision of the nucleus.

Answer: nucleolus (accept micronucleus)

5.) *The Peculiar Neurodegenerative Inhabitants of the Kazawa Atoll* and *Dudley's World* by Dr. Raleigh St. Clair. *Accounting for Everything: A Guide to Personal Finance* by Henry Sherman. The novels *Old Custer* and *Wildcat* by Eli Cash. *Family of Geniuses* by Etheline. FTP name the movie in which all of these appear, starring Anjelica Houston, Gwyneth Paltrow, and Gene Hackman, and written and directed by Wes Anderson.

Answer: The Royal Tenenbaums

6.) This Rhodes Scholar attended Yale Law School and became the NFL rookie of the year in 1938, which is where he picked up the nickname which he hated. After his retirement he fought in WWII alongside a young John Kennedy and later clerked for Supreme Court Justice Fred Vinson. Later President Kennedy would appoint him to the Court himself, although he ended up being one of the more conservative members of the Burger Court. FTP, name this justice who dissented in both *Roe v. Wade* and *Miranda v. Arizona*, and is not Hugo Black.

Answer: Byron "Whizzer" White

7.) The daughter of Chrysaor and Callirhoë, and the brother of Geryon, she is depicted as having the head and torso of a nymph and the lower body of a snake. Her union with Geryon's hound, Orthus, produced the Nemean Lion and the Sphinx, but she is more acknowledged for a union that produced the Hydra, the Chimaera, and Cerberus. FTP, identify this mate of Typhon, who gave her name to a monotreme known as the spiny anteater.

Answer: Echidna

8.) His growing fame so offends Bump Baily that he cracks Bump's skull against a wall, causing his death. This man then seeks to move in on Bump's girlfriend Memo Paris, though on their first date he crashes into a ditch. This actually went better than his meeting fourteen years before with Harriet Bird, who shoots him when he promises to become "the greatest in the game." Iris Lemon is another woman in his life; she announces her

pregnancy during a game he had pledged to throw so he could marry Memo. Based on the character of King Arthur, FTP, name this New York Knights' star from Bernard Malamud's *The Natural*.

Answer: Roy Hobbs (prompt on "The Natural" or "Roy")

9.) This Supreme Court case was unusual in that the writer, who was anonymous, stipulated that the decision could probably not be cited as precedent for any future cases. Justices Scalia, Thomas, and Rhenquist filed a concurring opinion while four other Justices filed dissenting opinions, leaving Justices Kennedy and O'Connor as the only possible writers of the per curiam decision. FTP name this controversial case, decided four days after an equally controversial injunction stopping the ballot counting in Florida.

Answer: Bush v. Gore

10.) This man's parents changed his name from Kusnasosro after a series of illnesses in his childhood. During World War II he became a propagandist for the Japanese, and under them he defined the Pantjasila, or basic doctrines of the state as he saw it. After Japan fell, he was kidnapped by students who persuaded him to declare his nation's independence from the Dutch. Deposed by Suharto in 1967, FTP, name this first President of Indonesia and father of the current leader.

Answer: Sukarno

11.) It results from the assumption the motion of all atoms on a blackbody's walls excite all of the blackbody's electromagnetic oscillators equally. Wien's Law and the Rayleigh-Jeans law diverge for low wavelengths, but the problem is circumvented by accounting for oscillators that are not excited because a minimum energy is not reached. Solved by the theory of energy quanta of Max Planck, FTP, name this error of classical physics named for a type of radiation more energetic than visible light.

Answer: ultraviolet catastrophe

12.) Near the end of the play, Io appears in bovine form, and laments the state of the title character, who predicts her flight across the Bosphorus and arrival in Asia. At the beginning, the demons Might and Violence berate the gentle Hephaestus, threatening him with divine wrath should he falter in performing the titular act, mandated by Zeus. FTP, identify this play by Aeschylus, an account of the punishment of the titan who stole fire from the gods.

Answer: Prometheus Bound or Prometheus desmotes

13.) This river, known to the ancient Greeks as Borysthenes, rises in a peat bog in the Valdai Hills before passing through Smolensk and into Belarus as it travels south. It continues southeast through the Ukraine, turning south and then west again before ending near Odessa. One of the longest rivers of Europe, it is also the main river of the Ukraine and is now navigable for virtually its entire length. FTP, what is this river that empties into the Black Sea?

Answer: Dnieper or Dnepr

14.) In 1850, he completed the opera *Genoveva*. An accomplished pianist, his piano works include *Carnaval*, which includes a piece based on the sequence formed by spelling Asch, where a lady friend came from, and variations on Abegg, another lady friend. Also famous for the "Dances of the League of David" and the *Kreisleriana*, FTP, name this composer of *Frauenliebe und leben*, hundreds of *lieder*, and the "Spring" and "Rhenish" Symphonies.

Answer: Robert Schumann

15.) T.S. Eliot explained it as "a primordial image that touches man's pre-logical mentality." Greek for "original pattern," it is supposedly derived from genetically coded and inherited varieties of human experience, an unconscious racial memory that its creator termed the "collective unconscious." FTP, identify this term for universal and primitive images and concepts posited by Carl Jung.

Answer: archetype

16.) Oddly, he had the same given name as his older brother; less oddly, he assumed the Regency when his nephew of the same name, who never reigned, was reported dead. Nineteen years later he returned to his homeland to begin his own reign, but had to flee again briefly; then he ruled for another nine years but was never crowned. For 10 points: name this Bourbon king who ruled France, except for roughly 100 days, from 1814 to his death in 1824.

Answer: Louis XVIII (the Eighteenth)

17.) In southeast Asia, doxycycline works, but it may not work in other parts of the world, so doctors will prescribe mefloquin which has been known to cause side effects ranging from intense dreams to psychotic episodes in a significant portion of the people who take it. Before the plasmodium developed resistance, the U.N. had made progress towards eliminating this blood parasite using medicine made from the bark of a South American tree. FTP, Name this disease which was traditionally treated with quinine and spread by mosquitoes belonging to genus *Anopheles*.

Answer: malaria

18.) Don Leo XII Loayza gives this novel's male protagonist a job with the River Company of the Caribbean, of which he becomes president. The chief female character goes to live on a ranch with her cousin Hildebranda after learning of her husband's affair with Barbara Lynch. That husband, Dr. Juvenal Urbino, dies almost 52 years after his wife first met the male protagonist, who immediately professes his undying love for her. FTP, name this work of Gabriel Garcia Marquez which ends with Florentino Ariza and Fermina Daza on a ship unable to dock due to a supposed disease on board.

Answer: Love in the Time of Cholera or El amor en los tiempos del cólera

19.) His body may be buried in Braunschweig alongside those of his parents, and there may be a statue erected in his honor across the square from the cathedral, but his heart belongs to and is buried in Goslar in the lower levels of the imperial palace. Considered a great promoter of the sciences, he was born in 1220 and raised in Palermo. He learned several languages and his love of learning inspired him to found the University of Neapel. FTP, name this Holy Roman Emperor who negotiated the return of Jerusalem to the Crusaders with al-Kamil.

Answer: Frederick II (accept Frederick VI of Swabia)

20.) On the left side of the painting we see the artist himself looking at his easel while on the right is a small girl with her foot resting on a dog. Next to the girl is a female dwarf. Reflected in the mirror near the middle of the painting are the king and his wife, the parents of the child in the center, the infanta Margarita, another common figure in the artist's work. FTP name this 1656 work by Velázquez sometimes known as The Family of Philip IV.

Answer: Las Meninas or The Maids of Honor (accept The Family of Philip IV on early buzz)

21.) It began when French foreign minister Gabriel Hanotaux promoted a 150-man expedition under Jean-Baptiste Marchand in 1898. Heading east, this force met the British under Herbert Kitchener at the city now known as Kodok. Neither side backed down, but flew Egyptian, French, and British flags over the fort to avoid war. Eventually, France withdrew, crushing its hopes for a trans-continental African empire. FTP, identify this incident occurring in Sudan, which confirmed British mastery of the Nile region.

ANSWER: Fashoda Incident

## Bonuses from Elvis 1, Cornell, Fresno State

1.) Things may fall apart for you if you fail to answer these questions about the work of Chinua Achebe, FTP each:

A. This man commits suicide at the end of *Things Fall Apart*.

Answer: Okonkwo

B. On the orders of the village elders, Okonkwo kills this foster son captured in a war.

Answer: Ikemafuna

C. The killing of Ikemafuna is seen as a crime by Okonkwo's grandson in this sequel to *Things Fall Apart*, which takes its title from the end of T.S. Eliot's "Journey of the Magi."

Answer: No Longer at Ease

2.) Questions about Gilbert and Sullivan FTPE:

1. Which of their 14 collaborations debuted in 1878 and has the alternate title "The Lass that Loved a Sailor"?

Answer: H.M.S. Pinafore (PIN-uh-for)

2. What impresario was their business partner and founded the opera company that led the world in staging their works from 1875 to 1982?

Answer: Richard D'Oyly Carte (DOY-lee CART)

3. What theatre did D'Oyly Carte build for Gilbert & Sullivan, adjacent to a 13th-century royal chapel and a luxury hotel of the same name?

Answer: The Savoy (sav-VOY) Theatre

3.) FTPE, identify these films directed by Alfred Hitchcock.

A. In this 1948 film, John Dall and Farley Granger throw a party with the body of their murder victim hidden in the room. James Stewart stars as the (living) guest of honor.

Answer: Rope

B. Farley Granger returns in this 1951 classic, in which he and Robert Walker each agree to murder someone the other person wants dead.

Answer: Strangers on a Train

C. In this 1955 flick, Grace Kelly asks Cary Grant, while on a picnic: "Do you want a leg or a breast?"

Answer: To Catch a Thief

4.) Name these writers who incorporated Merlin into their works, FTP each.

A. This poet used Merlin as an example of the ideal poet whose "mighty line extremes of nature reconciled."

Answer: Ralph Waldo Emerson

B. This author made Merlin a sinister, plotting rival to Hank Morgan.

Answer: Mark Twain or Samuel Clemens

C. This author's treatment of Arthurian legend, which became the basis for the musical Camelot. In the first section of it, Merlin tutors the young boy Pug, later known as Arthur.

Answer: T[erence] H[anbury] White

5.) Identify the following from the Battle of Trafalgar FTSNOP:

A. For 5: The year during which it occurred

Answer: 1805

B. For 5 for one, 15 for both: The British Commander, and his flagship

Answer: Horatio Nelson, H.M.S. Victory

C. For 10: The commander of the combined French and Spanish fleets

Answer: Pierre de Villeneuve

6.) Name these works of Somerset Maugham FTPE:

1. In this 1915 novel, the club-footed medical student Philip Carey nearly destroys his life with his blind love for the illiterate waitress Mildred Rogers.

Answer: Of Human Bondage

2. Stockbroker Charles Strickland abandons his middle-class life and strikes out for Tahiti to take up painting, which he continues to do even after being blinded by leprosy in this 1919 novel.

Answer: The Moon and Sixpence

3. This 1944 novel features a young American veteran of World War I, Larry Darrell, on a spiritual quest that leads him to India and the philosophy known as Vedanta (veh-DAN-tuh).

Answer: The Razor's Edge

7.) Name the following about a 20<sup>th</sup>-century philosopher FTPE.

A. A major figure in the group known as the Oxford philosophers was this author of *Language, Truth, and Logic*, in which he sets out the principle of verification—that nothing is meaningful unless it can be verified by empirical means.

Answer: Sir A[lfred] J[ules] Ayer

B. Heavily influenced by Ayer, this group of English critics including I.A. Richards and William Empson emphasized a close scrutiny of the text itself over historical and biographical subtexts.

Answer: Cambridge Critics

C. The American counterpart to the Cambridge Critics, this movement lent its name to a book by John Crowe Ransom and was closely associated with the Fugitive Poets.

Answer: New Criticism

8.) Name these related concepts FTP each.

a. This is the graphical representation in which cumulative percentages of a population are plotted against a factor such as income or employment.

ANSWER: Lorenz curve

b. This is the ratio between the area between the 45-degree line and the Lorenz curve for a plot, and the area above the 45-degree line, and shows the inequality in a frequency distribution.

ANSWER: Gini coefficient

c. Related to the Gini coefficient, this is a measure of the degree to which large firms dominate an industry or small firms control it. A canonical example is the Herfindahl index.

ANSWER: concentration ratio

9.) Name the medieval Muslim dynasties from their relationship with the Abbasid caliphs, FTP each:

A. These Isma'ili Shi'ites considered the Abbasids usurpers and set of this rival caliphate in Egypt from 969-1171.

Answer: Fatimid

B. These Twelver Shi'ites captured Baghdad in 945 and made the Abbasids puppets while they ruled with the title "Commander of the Believers."

Answer: Buyid

C. This family of Ghuzz Turks began the Sunni Revival with the defeat of the Buyids in the 11th century. They ruled under the title "Sultan."

Answer: Seljuq Turks

10.) Name the following about photosynthesis, FTPE

A. This type of photosynthesis is found in tropical grasses like corn, sorghum, and sugarcane.

Answer: C-4 photosynthesis

B. C-4 photosynthesis prevents this conversion of sugar phosphates back into carbon dioxide, which makes C-3 photosynthesis less efficient.

Answer: photorespiration

C. In C-4 photosynthesis, the carbon fixation pathway begins in these cells, which make up the spongy layer of a leaf.

Answer: mesophylls

11.) Two neighboring East African nations became independent on July 1, 1962. For 10 points each, identify:

1. The larger of the two in population, a republic from the beginning, which suffered a genocidal loss of over a half-million of its Tutsi (TOOT-see) population at the hands of the rival Hutu (HOO-too) during a civil war in 1994.

Answer: Rwanda

2. The slightly larger of the two in size, a constitutional monarchy until a 1966 coup, which saw its own slaughter of 150,000 Hutu by the Tutsi in 1972-73.

Answer: Burundi

3. The European colonial power that ruled these two countries under a League of Nations mandate and then under a United Nations trusteeship.

Answer: Belgium



12.) Name these works of Philip Johnson FTPE.

A. His famous home in New Canaan, Connecticut, which he designed for his master's thesis—a house that he plans to open to the public after his death, so presumably now he's not throwing any stones.

Answer: The Glass House

B. The building at 550 Madison Avenue in New York, with a controversial design involving a so-called "Chippendale" top—built as the AT&T Tower, but now owned by and named for a Japanese electronics company.

Answer: The Sony Building

C. The rather noticeable home of the Reverend Robert Schuller and his "Hour of Power" broadcasts in Garden Grove, California.

Answer: The Crystal Cathedral

13.) Given these equations from electromagnetism FTP each:

A. It relates the charge and velocity of a particle and the electric and magnetic fields in its vicinity to the force experienced by the particle.

Answer: Lorentz force law

B. This equation, in some sense the magnetic equivalent of Coulomb's law, can be integrated to determine the magnetic field due to an arrangement of static currents.

Answer: Biot-Savart [BEE-oh sah-VAR] Law

C. The reason there is no true analogue of Coulomb's law for magnetism is that there are no magnetic monopoles, a fact required by which of Maxwell's equations?

Answer: Gauss's Law for Magnetism [do not accept or prompt on "Gauss's Law"]

14.) Released in 2001, the movie "Bridget Jones' Diary" was a smash hit, especially after the popular book had caught on so well with the public. Answer these questions about it, FTP each:

A. Name the author of the book *Bridget Jones' Diary*.

Answer: Helen Fielding

B. What actor plays Mr. Darcy in both *Bridget Jones' Diary* and the 1995 *Pride and Prejudice*?

Answer: Colin Firth

C. What actress played Bridget?

Answer: Renee Zellweger

15.) Name these cities of the western United States, FTP each.

A. The seat of Montana's Silver Bow County, it is home to Montana Tech and a popular springboard to Lewis and Clark Caverns State Park.

Answer: Butte-Silver Bow

B. A golden-domed state capitol building lies in a 40-acre park near the center of this city, which lies where its namesake river meets the American River.

Answer: Sacramento

C. This city's Palace of the Governor's forms part of the state museum, but thanks to Willa Cather, the Cathedral of St. Francis might be better known, albeit in fictional guise.

Answer: Sante Fe

16.) Condensation reaction stuff, FTP each.

a. In the Knoevenagel reaction, compounds of this class are warmed with malonic acid in pyridine to increase the length of their chains by two carbon atoms.

ANSWER: aldehydes

b. This class of compounds, the namesake of a condensation reaction, can be produced by the self-condensation of aldehydes in a basic environment.

ANSWER: aldols

c. In this reaction, similar to aldol condensation, two esters combine in the presence of sodium ethoxide to produce a beta-ketoester.

ANSWER: Claisen condensation

17.) Identify the congressional acts involving labor from descriptions FTPE.

a. Passed in 1935, it prohibited company unions and established the National Labor Relations Board.

ANSWER: Wagner Act or National Labor Relations Act

b. Passed over Truman's veto in 1947, this act outlawed such unfair labor practices as the closed shop, and gave

the government the power to impose an 80-day cooling-off period on major strikes.

ANSWER: **Taft-Hartley** Act or **National Management Relations** Act

c. This 1959 act, passed in response to outcry over union corruption, strengthened the Taft-Hartley Act, and instituted federal penalties for labor officials found guilty of misusing funds, committing specific crimes, or violently hampering the legal rights of union members.

ANSWER: **Landrum-Griffin** Act or **Labor-Management Reporting and Disclosure** Act

18.) Given some works by a British poet, name that poet FTPE.

A. "The Revolt of Islam," "Queen Mab," "England in 1819"

Answer: Percy Bysshe **Shelley**

B. "Enoch Arden," "Locksley Hall," "Mariana of the Moated Grange"

Answer: Alfred, Lord **Tennyson**

C. A biography of Horatio Nelson, as well as "The Battle of Blenheim"

Answer: Robert **Southey**

19.) Identify these components of a mosque FTPE.

a. The imam leads the prayer from this semicircular niche, which points toward Mecca.

ANSWER: **mihrab**

b. The khat'ib, or preacher, uses this elevated seat next to the mihrab as a pulpit.

ANSWER: **minbar** (NOTE: Not minibar... minbar. That'd be kinda cool, though.)

c. The muezzin proclaims the call to worship from this tower attached to the mosque.

ANSWER: **minaret**

20.) Name the following from thermodynamics FTPE.

a. This law states that the total radiant-heat energy emitted by a surface is proportional to the fourth power of its absolute temperature.

Answer: **Stefan-Boltzmann** Law

b. It states that two systems individually in thermal equilibrium with a third system are also in equilibrium with each other. This fact allows for the definition of a temperature scale.

Answer: **Zeroth** Law of Thermodynamics

c. For changes carried out at constant pressure, the change of this of a system equals the heat absorbed. This function of state is equal to internal energy plus pressure times volume and is symbolized by h.

Answer: **Enthalpy**