

CARDINAL CLASSIC XII: Beware the Esker
Stanford University
February 2, 2002

Packet by Oregon and Wisconsin

Toss-Up Questions

1. In this 1957 drama, one of the main characters has an affair with Helena (*) and leaves his pregnant wife Alison, who eventually loses the baby, forcing her reconciliation with Jimmy Porter. It was this play that brought England's Angry Young Men to prominence. FTP, identify this play that lent its name to that movement by John Osborne.

Answer: Look Back in Anger

2. This quantity is used in the calculation of the equilibrium constant, but it is normally replaced by concentration due to the assumption of ideal mixtures. This quantity is the liquid and solid analog of fugacity (*) for gasses, because equations of state that spanned the boiling point did not exist until recently. FTP, name this quantity, defined to be 1 in pure component solids, and something you might do to keep small children busy.

Answer: activity

3. A member of the committee that investigated the Triangle Shirtwaist Company fire, she wrote a book entitled *People at Work*. In 1928, the governor of New York appointed her Industrial Commissioner, (*) and she helped draft the Social Security Act and Fair Labor Standards Act. FTP, name this Secretary of Labor under President Roosevelt, the first woman to hold a cabinet position.

Answer: Francis ^e"Fannie" Coralie Perkins

4. Divided into the transcendental doctrines of the elements and of method, the elements section is further divided into three transcendental sections: the aesthetic, analytic, and dialectic. (*) It is here that the author answers the main question of the work, "how are synthetic a priori judgments possible?" FTP, this describes what 1781 philosophical masterpiece of Immanuel Kant?

Answer: Critique of Pure Reason

5. The name for this holiday probably comes from a Teutonic goddess of spring and fertility. It is a movable feast that takes place between March 22 and April 25. (*) The ninth Sunday before this day is called Septuagesima Sunday, and it always follows the 40 days of Lent. FTP, identify this Christian holiday that, oddly enough, celebrates the crucifixion of Christ with colored eggs.

Answer: Easter (yeah, that's right, it's Easter)

6. He gradually began to lose his sight after receiving a head wound. (*) Some of this writer's works include *The Book of Imaginary Beings* and *The Book of Sand*. He served in his most famous post as Director of the National Library in Argentina. An opponent of Juan Peron, he is better known for works like *The Library of Babel*, and *The Garden of Forking Paths*. FTP, name the Argentine author of *Ficciones* and *Labyrinths*.

Answer: Jorge Luis Borges

7. This mathematician received his PhD from the University of Budapest in 1926. His Minimax (*) theorem states that for a large class of two-person games there is no point in playing since the optimal strategy for each player is the one that minimizes maximum possible loss. FTP, name the designer of game theory and solver of a special case of Hilbert's 5th problem.

Answer: Johann von Neumann

8. Its creation is shrouded in legend, involving its creators lusting after a maid named Verginia. Another story claims that the Senate appointed ten men (*) to document this law code at Plebian insistence in 451 BCE. FTP, name this first Roman law code, displayed in the Forum Romanum on bronze tablets.

Answer: Law of the Twelve Tables

9. He discussed the basic conflicts that an individual undergoes over the course of his life in his *Insight and Responsibility* and *Gandhi's Truth*. (*) Each corresponds to one of the eight stages such as oral-sensory and muscular-anal. FTP, identify the creator of the psychological development theory as developed in his *Young Man Luther*.

Answer: Erik Erikson or Erik Homburger

10. Cities have power plants before electricity is even discovered and armies contain riflemen before gunpowder is invented. Still, it's all part of the game (*) when you have Greeks, French, Mongols, and Zulus at war with each other. FTP, name this series of computer games, created by Sid Meier that pits numerous cultures in a race for world, or scientific, dominance.

Answer: Civilization (accept any number along with that)

11. He explores the conflict between European and black cultures his autobiographical poem *Another Life*. Other works of this author born in Castries (*) include *Midsummer* and *The Star-Apple Kingdom*. He paid homage to Homer in his modern-day epic *Omeros*. FTP, identify this writer from St. Lucia and recipient of the 1992 Nobel Prize for Literature.

Answer: Derek Walcott

12. In its most general form, it gives the axial normal strain at a point in an object as a function of the 3 axial normal stresses, (*) the elastic modulus of the material, and Poisson's ratio for the material. A slightly more specialized form states that the elastic modulus is equal to the ratio of normal stress to normal strain in an object. FTP, name this law, whose most common version is "F equals minus K times X."

Answer: Hooke's law

13. This group took its name from a speech given in the British Parliament in 1765 by Isaac Barré. (*) The two original ones formed in New York City and Boston out of the Committees of Correspondence. FTP, name this loosely organized secret society formed to prevent the enforcement of the Stamp Act.

Answer: Sons of Liberty

14. He married Spanish soprano Isabella Colbran, who sang in several of his earlier works, like his *Demetrio e Polibio*. (*) A master of the opera buffa, he is one of the three main exponents of the bel canto style in opera. With such works as *The Turk in Italy* and *Cinderella*, FTP, identify this Italian composer of *William Tell* and *The Barber of Seville*.

Answer: Gioacchino Rossini

15. After a long and successful career as a mercenary and fighter, he overthrew the feeble king of Aquilonia and remained so for the rest of his life. Born on the battlefield during a raid by the Vanir, (*) FTP, name this Cimmerian savage created by Robert E. Howard and portrayed in movies by Arnold Schwarzenegger.

Answer: Conan

16. His magazine short stories were written under the pen name Dod Grile and published as *Cobwebs from an Empty Skull*. (*) While covering the Mexican Civil War, he disappeared after publishing his most

famous work, originally titled *The Cynic's Word Book*. FTP, name this American author of *The Devil's Dictionary*.

Answer: Ambrose Bierce

17. This parasitic nematode's eggs are released in faeces, and they hatch into larvae in moist earth. These larvae penetrate a human host, often through the soles (*) of the host's bare feet. Its larval stage is thus blood-borne, but its adult stage resides in the human duodenum and small intestine. FTP, name this parasite, which gets its name from the way it attaches itself to the intestinal walls of its host.

Answer: hookworm or ankylostoma

18. Following the death of King Cleph, this people entered a ten-year "Rule of the Dukes", though these nobles eventually surrendered much of their wealth and power to Authari (*) for the maintenance of his court at Pavia, and their first king was Audoin in the 6th century. FTP, what was this Germanic tribe that today gives its name to a region of Italy adjacent to Switzerland, with its modern capital at Milan?

Answer: Lombards

19. Dominated by shades of blue and gray, this 1882 painting features a woman standing in the center with a mirror (*) behind her. In the reflection, we see a rather large ass as well as a guy in a top hat. In front of her are a crystal bowl of fruit, and a few bottles of champagne, beer, and other types of alcohol. FTP, identify this famous work by Manet depicting a bar at a certain locale.

Answer: *A Bar at the Folies-Bergere*

20. Started in December 1925 by former reporter George Dewey Hay, it was originally known as WSM Barn Dance, (*) but changed to its current name before moving to its hometown's Ryman Auditorium. Its staples included Earl Scruggs, Roy Acuff, and Kitty Wells, and in 1974 it again changed venues to a large theme park. FTP, radio's longest run belongs to what poorly-spelled Nashville show?

Answer: *The Grand Ole Opry*

21. The main character wishes to know more about the Brotherhood, whose legendary leader, Emmanuel Goldstein, (*) never appears in this novel. The main character's break with the Party occurs when he purchases a private room above Mr. Charrington's store, where he conducts an affair with his lover Julia. Centered on the oppression by Big Brother, FTP, identify this novel about Winston Smith written by George Orwell.

Answer: 1984

22. His autobiography, *One Life*, was published in 1969. He continued his work until forced to quit by arthritis in 1983. He received a medical degree from the University of (*) Cape Town and his most famous patient was Louis Washkansky. FTP, give the name of this South African surgeon, the first to successfully transplant a human heart.

Answer: Christiaan Barnard

23. Great Britain was to give up the Cape of Good Hope Colony and Malta but could keep Ceylon and Trinidad. France agreed to leave Egypt, Naples, and the Papal States. Neither Great Britain, nor France, Spain, and the Batavian Republic observed all the terms. FTP, name this 1802 (*) treaty ending the War of the Second Coalition.

Answer: Treaty of Amiens

24. Upon Socrates' death, he spoke of owing a cock to this god. The equivalent of the Egyptian god Imhotep, (*) this son of Apollo and Coronis had a daughter named Hygieia, who was the first person to use

soap and water. He angered Zeus when he used his most famous abilities to raise a person from death, earning a wicked thunderbolt in the ass. FTP, identify this Greek god of healing and medicine.

Answer: Asclepius

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Bonus Questions

1. Identify the protagonists in these selections from The Smoking Gun's Document of the Year awards FTSNOP.

- a) (5 points) Whose followers are the intended study for the 180-page "Military Study in the Jihad against the Terrorists", the Scariest Document of the Year?

Answer: Osama bin Laden

- b) (10 points) The OSS produced the Best Find in the Government's Vault, a 68-page profile of which German leader?

Answer: Adolf Hitler

- c) (15 points) Which artist made demands ranging from yellow roses with red trim, to a 43-artist music library, to French aromatherapy candles in a contract rider for a charity concert?

Answer: Jennifer Lopez or J Lo or J Ho

2. Answer these questions about an artistic movement FTPE.

- a) This literary and artistic movement began in 1909 when Marinetti issued its manifesto.

Answer: Futurism

- b) This Italian was the leading artist of Futurism; his most famous sculpture is *Unique Forms of Continuity in Space*.

Answer: Umberto Boccioni

- c) This Russian filmmaker developed the futurist concept of montage of attractions in works such as *Potemkin*.

Answer: Sergei Eisenstein

3. Name these women from Homer's *Iliad* FTPE.

- a) This daughter of Agamemnon was sacrificed to gain favorable winds for the Greeks.

Answer: Iphigenia

- b) When Agamemnon was forced to return Chryseis to her father, he took this captive girl of Achilles, causing a quarrel.

Answer: Briseis

- c) On the other side of things, this was the woman to whom Hector was happily married.

Answer: Andromache

4. Answer the following questions about current research in physics FTPE.

- a) The LIGO was recently constructed in Hanford, Washington making it the second US based detector of this phenomenon.

Answer: gravity waves

- b) The IMB experiment in Mentor, Ohio as well as the ongoing Kamiokande experiment located in an underground cave in Japan are attempts to test the lifetime of these.

Answer: protons

- c) Current research indicates that all five string theories are merely an aspect of this underlying 11 dimensional theory which unifies all five versions of string theory.

Answer: M theory

5. Name these Israeli Prime Ministers FTPE.

- a) This founder of the Israel Labour Party was Prime Minister during the Six Day War.

Answer: Levi Eshkol or Levi Shkolnik

- b) This female Prime Minister and former student at the University of Wisconsin - Milwaukee followed Eshkol and led the nation through the Ramadan War.

Answer: Golda Meir or Golda Mabovitch

- c) This Prime Minister for much of the 1980s once made a deal with Shimon Peres where Peres would lead the government for the first half of the term and this man would take over for the second.

Answer: Yitzhak Shamir or Yitzhak Jazernicki

6. Identify these anthropologists from brief descriptions FTPE.

- a) His major works include *The Mind of Primitive Man* and *Race, Language, and Culture*.

Answer: Franz Boas

- b) This student of Boas examined Japanese culture in *The Chrysanthemum and the Sword*.

Answer: Ruth Benedict

- c) This German founder of modern mathematical logic, also developed an influential philosophy of language in works such as *The Foundations of Arithmetic*.

Answer: Gottlob Frege

7. Identify the 2001 films from taglines FTPE.

- a) "Rule the planet"

Answer: Planet of the Apes

- b) "Change the way you look at the world"

Answer: K-Pax

- c) "She rocks. She rules. She reigns."

Answer: The Princess Diaries

8. Identify these writers who used Tarot cards in their writings FTPE.

- a) His character Madame Sosostis is a fortune teller who offers a spread including the Hanged Man, the Phoenician Sailor, and the Wheel of Fortune.

Answer: Thomas Stearns Eliot

- b) In her *Trilogy*, the lady represents the high priestess card.

Answer: Hilda Doolittle

- c) His *The Castle of Crossed Destinies* is a retelling of *The Canterbury Tales* wherein none of the travelers are able to speak and must use Tarot cards to tell their stories.

Answer: Italo Calvino

9. Given a description of a type of white blood cell, identify it FTPE.

- a) They comprise about 62 percent of all white blood cells, and are the first to attack an infection.

Answer: neutrophils

- b) The rarest white blood cell, it releases histamine, which attracts other white blood cells, and produces heparin, which dissolves clots.

Answer: basophils

- c) They not only fight infection, but provide immunity by producing antibodies.

Answer: lymphocytes

10. Answer the following about events of the Korean War FTPE.

- a) It was agreed that the Soviet Union would accept the surrender of Japanese troops north of this parallel line while the United States would accept those below it after WWII.

Answer: 38th parallel

- b) When fighting broke out, this man, the commander of the American Southwest Pacific fleet during WWII, was selected to command United Nations forces there.

Answer: General Douglas MacArthur

- c) The initial North Korean invasion was finally repulsed and eventually pushed back after US troops made a daring amphibious landing here.

Answer: Inch'on

11. Name these types of movement training FTPE.

- a) This “technique” of changing body movement habits is popular among dancers, singers, and actors. It emphasizes the dynamism and changeability of the body and its posture.

Answer: Alexander technique

- b) George Balanchine and Martha Graham were among the first to use this “method” of body conditioning, which consists of exercises performed on a specialized apparatus.

Answer: Pilates Method

- c) This system of musical education and movement expression was created by Émile Jaques-Dalcroze. In it, movements are used to represent musical elements.

Answer: eurythmics

12. Answer the following questions about the Baseball Hall of Fame FTPE.

- a) Name the only player to be inducted in 2002, honored for his 19 years in the major leagues with the Padres and Cardinals.

Answer: Ozzie Smith

- b) What position is tops in non-pitchers, with 25 on the list, including Babe Ruth and Dave Winfield?

Answer: right field

- c) What position has the fewest Hall-of-Famers with 11?

Answer: third base

13. Identify these figures in early modern drama FTPE.

- a) His famous, posthumous 1623 publication had an introduction by John Heming and Henry Condell and was printed by Isaac Jaggard.

Answer: William Shakespeare

- b) He died a year after an arrest for atheism in 1593, but is still remembered for *The Spanish Tragedy*.

Answer: Thomas Kyd

- c) This roommate of Thomas Kyd was arrested with him, but was released and killed in a barfight with Ingram Frizer. His works include *Edward II* and *The Jew of Malta*.

Answer: Christopher Marlowe

14. Answer the following questions about the history of geometry FTPE.

- a) In the appendix of his father’s book *The Tentamen*, this Hungarian questions the validity of the postulate and gives the first known example of a non-Euclidean geometry.

Answer: Janos Bolyai

[Editor’s Note: Never trust anyone named “Janos.” Remember *Ghostbusters II*?]

- b) Einstein discovered that his form of non-Euclidean geometry perfectly described the spacetime manifold under general relativity.

Answer: Goerg Friedrich Bernhard Riemann

- c) This mathematician published a system of 21 axioms in an attempt to axiomatize all systems of geometry regardless of curvature requirements.

Answer: David Hilbert

15. Answer the following about the Great Depression FTPE.

- a) In an effort to protect US industry, this tariff was passed in 1930 raising the average import duty from 26% to its highest point ever at 50%.

Answer: Smoot-Hawley Tariff or Hawley-Smoot Tariff

- b) President Hoover persuaded Congress to establish this US agency, which provided relief to railroads, financial institutions, and business corporations.

Answer: Reconstruction Finance Corporation

- c) This act created the Federal Deposit insurance corporation. Viewed as obsolete, it was finally repealed in 1999.

Answer: Glass-Steagall Banking Act

16. Name the religions that celebrate the following holidays FTPE.

- a) Ayyam-I-Ha, which begins a series of Intercalary Days that balance out the Calendar. Its end marks the beginning of 19 days of fasting.

Answer: Baha'i

- b) November 2001 was a month of this religion's Diwali festival, which marks the birth of the goddess Lakshmi.

Answer: Hinduism

- c) This religion's festivals include the four monthly *uposatha* days related to the moon cycle, as well as the Magha Puja.

Answer: Buddhism

17. Identify these ancient Greek philosophers from descriptions FTPE.

- a) The student of Socrates, he is famous for his many dialogues involving his mentor. Some of those dialogues include *Republic*, *Crito*, and *Apology*.

Answer: Plato

- b) This pre-Socratic philosopher from Miletus is sometimes considered the first philosopher. He is most famous for his principle that water was the primordial element of matter.

Answer: Thales

- c) This pre-Socratic philosopher believed that fire was the primordial element and that the universe was in a constant state of flux. He wrote in conscientious objection to Parmenides.

Answer: Heraclitus

18. Identify the following works of Soviet literature FTPE.

- a) Name this novel by Mikhail Bulgakov about the transplantation of the testicles and pituitary glands of a recently deceased man into a stray dog.

Answer: *The Heart of a Dog*

- b) Name this poet, whose poems best known to the West are *In Memoriam*, *Requiem*, and *A Poem Without a Hero*.

Answer: Anna Akhmatova

- c) This is the Russian word for unpublished, but widely circulated, underground writing, and literally means "self-published."

Answer: samizdat

19. Identify the following about DNA FTSNOP.

- a) (5 points) Of the nucleotide bases, which appears in only RNA but not DNA?

Answer: uracil

- b) (10 points) The DNA "backbone" that forms between the nucleotide bases is made of what polyatomic ion?

Answer: phosphate

- c) (15 points) This 1942 experiment, named after its two executors, was the first to determine that DNA, and not protein, was the material of genetic inheritance.

Answer: Hershey-Chase experiment

20. Name the following about the reign of King Louis XIV FTPE.

- a) To which dynasty did he belong?

Answer: Bourbon

- b) Louis XIV entered this war against most of Europe from 1688-1697.

Answer: War of the League of Augsburg

- c) Before his marriage to Marie-Therese, Louis XIV loved this niece of Cardinal Mazarin.

Answer: Marie Mancini

21. Given a figure from Greek mythology, identify both of his or her parents FFPE.

- a) Dionysus

Answer: Zeus and Semele

- b) Apollo

Answer: Zeus and Leto

- c) The Nine Muses

Answer: Zeus and Mnemosyne

22. Name these related figures referred to in the introduction to *Just One Of Those Things* FTPE.

- a) She was the author of *Enough Rope* and the most famous female denizen of the Algonquin Round Table.

Answer: Dorothy Parker

- b) The first is a sometime monk, author of the "History of My Troubles"; the second is his wife, a sometime nun. Identify both FTPE.

Answer: Peter Abelard and Héloïse

- c) Who wrote *Just One Of Those Things*?

Answer: Cole Porter

23. Name these organic chemistry functional groups FTPE.

- a) A carbon atom bonded to an OH group.

Answer: alcohol

- b) A carbon double bonded to an oxygen and at least 1 hydrogen.

Answer: aldehyde

- c) A carbon bound to a hydrogen, an NH₂ group, and double bonded to a carbon.

Answer: enamine

24. Identify these acts passed under Andrew Johnson's administration FTPE.

- a) This 1867 act forced civil governments in Southern states to make way for military rule. To return to civilian government, states would be required to enfranchise blacks and ratify the 14th amendment.

Answer: Reconstruction Act

- b) This act forbade Johnson from removing federal office holders, including Cabinet members, without consent of the Senate.

Answer: Tenure of Office Act

- c) This act included the "command of the army" provisions, which were designed to deprive the president of his constitutional right to command the army.

Answer: Army Appropriations Act