

Buzzerfest VII: 15 Minutes to Wapner

Edited by Chris Frankel

Packet by Thomas Jefferson (Sam Lederer, Jacob Oppenheim, Mike Wright, Steve Young, Mike Sollosi, Dan Wright, David Purger, Kay Aull)

Tossups

1. A fundamental assertion in this work is that while all knowledge begins with experience, it does not necessarily arise out of experience. In addition, experience may only confer comparative universality to its judgments, as by induction. In particular, space and time are not the product of empirical knowledge, but rather exist as a consequence of the author's Axioms of Intuition. Proposing through the use of the transcendental logic to place philosophy on a firm base of *a priori* knowledge by determining its extent, this is, FTP, what work of Immanuel Kant.

ANSWER: *A Critique of Pure Reason* (or *Kritik der reinen Vernunft*)

2. After a rebellion by the Eastern Learning movement erupted, this war started when conflict over influence in King Kojong's realm caused the belligerents to send troops to the peninsula, ostensibly to put down the revolt. A skirmish at Asan capped off the fighting, and victories at Lushun and Yalu illustrated the success of the one nation's modernizing efforts over the other's insularity, and gained the victor the Pescadores Islands, the Liaotung Peninsula, and Formosa. FTP, what 1894-1895 conflict, the first test of the Emperor Meiji's armed forces, was ended by the Treaty of Shimonoseki?

ANSWER: First Sino-Japanese War or Jiawu War

3. His collection *Sagesse*, contained uncharacteristic verses on religion, reflecting his 1873 conversion to Catholicism. His marriage to Mathilde de Fleurville prompted the composition of the hopeful *La Bonne Chanson*, although his marriage would be severely strained a few years after. He wrote his masterpiece, *Romances Sans Paroles* after a tumultuous affair landed him in jail for 18 months. FTP name this leader of the Decadents, the author of such poems as "*Chanson d'Automne*" and "*Clair de Lune*," considered one of the foremost of the Symbolists along with Mallarmé and his own lover Rimbaud.

ANSWER: Paul Verlaine

4. In this device, an excitation voltage is applied to its P+ and P- terminals, which are located at opposite corners. At its other corners, the S+ and S- terminals are connected by a galvanometer running through its middle, which measures the signal output. Often used to measure changes in a strain gauge, this device contains three resistors of known quantity, and one of unknown quantity, all arranged together in a diamond-shaped formation. FTP, name this bridge circuit designed to measure precise changes in resistance, named for a British scientist.

ANSWER: Wheatstone bridge

5. Originally performed with the vocalist on stage and the instrumentalists behind a screen, it evokes a distant, somber mood, especially in such movements as "Night," largely by the use of *sprechstimme*, a wailing technique between song and speech. Though freely atonal, it does not bear its composer's trademark tonal style, and includes strict canons like "The Moonspot" as well as meandering duets like "The Sick Moon." A bizarre poetic synthesis of *commedia dell'arte* written by Albert Giraud forms the text of, FTP what Schoenberg work, consisting of musings of the title "moonstruck" character?

ANSWER: Pierrot Lunaire (accept Moonstruck Pierrot or equivalents before mention)

6. Prominent surface features include the craters D'Arrest and Sharpless, and a rocky ridge called the Kepler Dorsum, though its most visible surface feature is a giant crater named Stickney, after the wife of its discover, Asaph Hall. Possibly a captured asteroid, this non-spherical shaped moon is closer to its respective planet than any other moon in the solar system. Photographed during the Mariner 9 and Viking 1 missions, this is, FTP, what larger moon of Mars and companion of Deimos?

ANSWER: Phobos

7. The narrator contemplates suggesting that elves, and not the freezing winter, are the reason for the titular event, which occurs every spring as a result of "gaps even two can pass abreast." The narrator, who owns an apple orchard, wonders if it is necessary because "here there are no cows," and questions whether the purpose is to keep something in or out, but finds it hard to communicate with his neighbor, who keeps quoting a isolationist cliché from his father. FTP, name this Robert Frost poem which contains the line, "Good fences make good neighbors."

ANSWER: "Mending Wall"

8. The French artist of this painting donned a navy sweater, looked into a mirror, and used this work, along with a painting of a ceramic pot, as the backdrop for a self portrait*, which explains why the title figure faces the other way in that rendition. The painting itself is set against a hill-covered village, with the only action in the background being a peasant's walking down a dirt road between a pair of orange-leaved trees. In the foreground, three conservatively dressed women from Breton kneel before the title figure, who is based on the Tremalo Chapel's wooden statue of a crucifix. FTP, name this Synthetist painting of an oddly-colored Jesus, a work by Paul Gauguin.

ANSWER: *The Yellow Christ* (accept *Self-Portrait with the Yellow Christ* before the *)

9. After the failure of the Weygand Plan to move south and stop the advance of German panzer divisions, Lord Gort was ordered to implement this operation. The reason for its success was an unusual order from Hitler that stopped Guderian from completing the encirclement maneuver. Churchill, in a June 4, 1940 speech to Parliament, called this operation, codenamed Dynamo, a "deliverance," but also stressed that "wars are not won by evacuations." FTP, more than 800 ships, yachts, motorboats, and sailboats were able to remove 198,000 British and 140,000 French troops from what French port?

ANSWER: Evacuation of Dunkirk (accept "Operation Dynamo" before it is mentioned)

10. He wrote of "Fate" that "Her planted eye to-day controls," and he wrote that "Muffled and dumb like barefoot dervishes" were "Days." Another poem "Intellect" had its title added posthumously as did his "Ode" to William Henry Channing. More famous lines claim that "The self-same Power that brought me there brought you" in his poem on the "Rhodora" flower and "They know not well the subtle ways / I keep, and pass, and turn again" in his poem "Brahma." FTP, name this poet who also wrote "Here once the embattled farmers stood / And fired the shot heard round the world" in his "Concord Hymn."

ANSWER: Ralph Waldo Emerson

11. With the help of Barbaria, who was most likely his mother, he achieved his most lasting legacy by helping to found a monastery at Lucullanum established in the honor of St. Severinus and located at Naples. Around age 10 he had been placed in power, earning his diminutive nickname and serving as a figurehead ruler when his father Orestes had led a revolt against Julius Nepos, though this ruler's Eastern counterpart, Emperor Zeno, never recognized him during his short reign. FTP, name this man who was deposed by Odoacer in 476 AD, the last of the Western Roman emperors.

ANSWER: Romulus Augustulus

12. In this novel, the character of Parson Yorick is often considered a reflection of the author, who was also a clergyman. Much of the plot revolves around the title character's uncle Toby, who spends most of his time in the study of military fortifications, though a groin-wound removed him from military service. The novel begins with the title character's conception, and six of the nine volumes follow his birth, a mishap during his christening, and his accidental circumcision by way of a falling window-sash. FTP, name this novel which gives the "life and opinions" of its eponymous narrator, written by Laurence Sterne.

ANSWER: *The Life and Opinions of Tristram Shandy, Gentleman*

13. They occurred primarily on November 7th and the following January 2nd as part of a joint effort in over thirty cities. Their instigator was directly inspired after an attack by an Italian suicide bomber took place right outside his home, culminating a series of summer bombings that inspired panic over the possibility of a May Day revolt. A ship called the Buford forcibly carried 249 of its subjects to Russia, including Alexander Berkman and Emma Goldman. FTP, name these actions driven by Woodrow Wilson's attorney general, a series of major roundups of suspected communists following World War I

ANSWER: Palmer Raids

14. She kept the ass as her sacred animal, because its braying was said to have protected her from the advances of Priapus. On the first day of her annual festival in June, the penus, or inner sanctum, of her temple on Palatine Hill was opened to barefoot women wishing to make offerings, then cleansed on the last day. Numa Pompilius elevated her role in the state religion by establishing a priesthood in her name and kidnapping the one who would be made into its first member. FTP, name this Roman goddess of the hearth, remembered for the Virgins that bore her name.

ANSWER: Vesta or Vestia (do not accept "Hestia")

15. In the U.K., the Lord Chancellor cannot overrule this process, whereas the Speaker of the House of Commons can; and for it to be considered initially in the House of Commons, it must have the support of over a hundred members.

Rule 22 introduced it to the U.S. Senate, where it was first used to resolve a debate over the Treaty of Versailles; and in 1975 the required supermajority for it to be invoked was reduced from two thirds to three fifths. FTP, name this motion that brings about a vote by overriding a filibuster.

ANSWER: cloture

16. This author responded to the Manhattan Theater Club's bomb threat-inspired plans to cancel a run of Terrence McNally's *Corpus Christi* by threatening to remove his own play, *The Captain's Tiger*, from the schedule. Also a subject of controversy during the 1960's, he produced such plays as *People are Living There* and *Hello and Goodbye* and used his position as director of the Serpent Players to promote racial equality in the arts. With *Playland* and *A Valley Song* among his plays written after the apartheid era, FTP, who is this South African dramatist, author of *Blood Knot* and *Master Harold and the Boys*?

ANSWER: Athol Fugard

17. Before its 1895 discovery, companies usually used performed its function using either an expensive sodium reduction process or the Heroult and Hall electric furnace method. The German scientist who is the source of its alternate name pioneered the practice of inducing it with a fuse, such as by using a reaction between glycerin and a permanganate, as opposed to heating the materials and letting this reaction occur on its own. Known to cause explosions when performed incorrectly, it releases approximately 849 kilojoules per mole reactant upon reaction. Also known as the Goldschmidt process, FTP, what is this spontaneous, highly exothermic reaction created by a redox reaction between iron oxide and aluminum?

ANSWER: thermite reaction (accept Goldschmidt process before mention)

18. An 8th Century text by Shantideva provides a verse-form guide to their way of life and expounds on such virtues as generosity, diligence, and wisdom, or *Prajna*, all of which are among the six Paramitras that they must master. They also must vow to suppress their passions and help release others from suffering by achieving wisdom. They often are related to Arahants, although they do not have the immediate goal of escaping the Wheel of Life. FTP, give this Buddhist term for an enlightened individual who foregoes Nirvana in order to help others.

ANSWER: bodhisattva

19. Located south of the Alcantara Gorge, it covers an area of 600 square miles. One of its notable features is the Val de Bove, a valley whose bottom rose almost 100 feet after an eruption that nearly destroyed the town of Zaffarana. Its activity is likely the result of a major hot spot approaching it from Lipari to its north, although scientists claim it is evolving into an island-arc volcano. Formed partly from the subduction of the Ionian plate, like Stromboli, it lies on the African plate's subduction zone with the Eurasian plate. FTP, name this tallest active volcano in Europe, located near Catania on the island of Sicily.

ANSWER: Mt. Etna (Aetna)

20. Their embryonic development is characterized by indeterminate cleavage and enterocoelous body cavity formation. Their main body structure is called the theca, and a series of extensions called ambulacra that jut out from a central mouth. The only major non-chordate phylum of deuterostomes, they are characterized by an endoskeleton of calcium carbonate plates, a water vascular system with hydraulically powered tube feet, and five-pointed radial symmetry in the adults. FTP, name this phylum whose members include the sea cucumber, sea lily, brittle star, sea urchin, and starfish.

ANSWER: Echinodermata

21. One tradition states that he died without his spear because he lost it by throwing it at a satirist in anger. That spear, named Gae Bulg, was renowned for singing for the blood of his enemies. He died after killing an otter, which in the taxonomy of the ancient Irish fulfilled a prophecy that the first and last enemies he would slay would be dogs. He changed his name after killing the watchdog of a smith, and took that dog's place as the guardian of the pass into Ulster. FTP, name this legendary Irish hero, born Setanta, whose name means "Hound of Culann."

ANSWER: Cuchulainn (accept "Setanta" until it is mentioned")

Buzzerfest VII: 15 Minutes to Wapner

Edited by Chris Frankel

Packet by Thomas Jefferson (Sam Lederer, Jacob Oppenheim, Mike Wright, Steve Young, Mike Sollosi, Dan Wright, David Purger, Kay Aull)

Bonuses

1. Name these Friedrich Schiller plays, FTPE.

(10) His first play, it describes the conflict between Franz and the roguish Karl Moor, as they fight for the favor of their father.

ANSWER: *The Robbers* or *Die Räuber*

(10) Published during the Napoleonic Wars, it has its central conflict occur between the title character and the bailiff Gessler, and had a significant impact on German morale.

ANSWER: *William Tell* or *Wilhelm Tell*

(10) Steeped in historical inaccuracy, this play has its title character die in battle while leading the French forces to victory over the English after having been cast out as a witch.

ANSWER: *The Maid of Orleans* or *Die Jungfrau von Orleans*

2. FTPE, name these Akira Kurosawa films.

(10) This 1985 film is an adaptation of King Lear, set in Sengoku-era Japan.

ANSWER: *Ran* or *Chaos*

(10) This 1961 film is based on the novel "Red Harvest" by Dashiell Hammett, and depicts a fallen samurai who finds work as a bodyguard for rival crime lords.

ANSWER: *Yojimbo*

(10) This film tells the story of a rape and murder from four different viewpoints, one for each witness of the crime.

ANSWER: *Rashomon*

3. Name these locations of battles or events in the Greek War of Independence FTPE.

(10) The 1821 massacre of Greek civilians on this island was the subject of a famous Romantic painting.

ANSWER: *Chios* or *Scio*

(10) This port withstood Turkish siege from 1822 to 1823, but the death of Lord Byron there a year later was more important in influencing European public opinion.

ANSWER: *Missolonghi*

(10) This 1827 naval battle, ending in Turkish defeat at the hands of a Russian, British and French alliance, convinced the Ottomans to allow Greece its independence.

ANSWER: *Navarino* or *Pylos*

4. Name these rappers who have rapped about Leo Wolpert's favorite subject, fat girls, FTPE.

(10) Leo agrees with Tony Yayo's words, "I'm a freak, sure I love menage a trois / And I really care less if you twice my size," which appear in this artist's "Fat Bitch." He also rapped, "I love you like a fat kid love cake," in one of his recent singles.

ANSWER: *50 Cent* or Curtis *Jackson*

(10) This notoriously dirty rapper described a horrifying encounter with a woman who had "more chins than a Chinese phonebook" in "Fat Girl," though his song "Gimme Dat Nutt" is more well-known.

ANSWER: *Eazy E* or Eric *Wright*

(10) This artist, who shares Leo's taste in women, says, "A word to the thick soul sistas, I wanna get with ya," after declaring "I like big butts and I cannot lie."

ANSWER: *Sir Mix-a-Lot* or Anthony *Ray*

5. FTPE, identify these 19th Century operas better known for their overtures.

(10) After starting out slowly, its overture has a trademark "Rossini crescendo" that moves to an allegro tempo. The rest of the opera involves a romance between Rosina and Count Almaviva.

ANSWER: *The Barber of Seville* or *Il barbiere di Siviglia*

(10) The overture of this Franz Von Suppe operetta has a military theme, including the trumpet fanfare that opens the piece and the famous orchestral theme simulating the gallop of charging horses.

ANSWER: *Light Cavalry* or *Leichte Kavallerie*

(10) The overture of this operetta closes with the popular Can-Can melody, which also reappears at the end when the gods are having a bacchanal.

ANSWER: Orpheus in the Underworld or Orphée aux Enfers

6. FTPE name the following studied at the Cold Spring Harbor Laboratory, a center of genetics research since 1940.

(10) Many discoveries at CSHL involved this simple type of virus consisting of a protein sheath, DNA, and sensor "legs." The most famous type is the T4, which infects E. Coli.

ANSWER: bacteriophage

(10) The first one discovered, Endonuclease R, inspired Richard Roberts to find hundreds more, revolutionizing genetics by providing a means of cutting DNA into fragments.

ANSWER: restriction enzymes

(10) One intermediary in this mechanism, studied at the lab by Greg Hannon, is dsRNA, which can induce gene suppression throughout the entire organism on contact.

ANSWER: RNA interference or RNAi (prompt on interference)

7. Name these pre-Socratic philosophers FTPE.

(10) Born at Ephesus, he described the workings of the world as eternal flow or flux, and considered fire to be the source of all matter.

ANSWER: Heraclitus

(10) This Milesian incorporated Parmenides's denial of the void into his philosophy of atomism, which is more frequently attributed to his pupil Democritus.

ANSWER: Leucippus

(10) He postulated the substances *philia* and *neikos* to explain the attraction and repulsion of matter in addition to his four roots: fire, air, earth and water.

ANSWER: Empedocles

8. FTPE, identify the following F. Scott Fitzgerald works.

(10) While summering in Montana, John T. Unger discovers the shady tactics a billionaire employs to protect and hide his unimaginable wealth in this short story.

ANSWER: "The Diamond as Big as the Ritz"

(10) This novel traces the life of the autobiographical protagonist, Amory Blaine, his social maneuvering at Princeton, and his ultimate failure to find fulfillment.

ANSWER: This Side of Paradise

(10) This work follows Anthony Patch, who is waiting to collect an inheritance once his grandfather dies, and his disastrous marriage Gloria, collapsing from alcohol and greed.

ANSWER: The Beautiful and the Damned

9. Identify the following about defense mechanisms in psychoanalytic psychology, FTPE.

(10) Sigmund Freud was responsible for introducing defense mechanisms as a psychological concept, but this author of *The Ego and the Mechanisms of Defense* was responsible for more specific categorization.

ANSWER: Anna Freud

(10) This defense mechanism is the redirection of libido from an instinctive drive towards other pursuits. A nun's redirection of sexual energy to the service of God is an example.

ANSWER: sublimation

(10) This defense mechanism is a lapse into an earlier stage of development, usually caused by high stress.

ANSWER: regression

10. Those Egyptians seemed to have a fetish for crocodiles. FTPE, identify the following from their mythology.

(10) This female demon with the hind of a hippo, the body of a lioness, and the head of a crocodile devoured the hearts of the dead who had failed the final judgment.

ANSWER: Ammut

(10) The form of a crocodile was taken sometimes by this god of evil, husband of Nephtys, and killer of Osiris.

ANSWER: Set or Seth

(10) Crocodilopolis, a town in el-Faiyum, was a center of worship for this crocodile-headed god who inspired fertility from his power of over the Nile. He also used his quickness to catch the four sons of Horus in a net.

ANSWER: Sobek or Sebek

11. Name these works of Argentine literature, FTPE.

(10) Consisting of two sections, "The Garden of Forking Paths" and "Artifices," this collection contains such stories as "The Library of Babel" and "Tlon, Uqbar, Orbis Tertius."

ANSWER: Ficciones

(10) The first novel of Manuel Puig, it follows a boy named Toto and his obsession with films and movie stars.

ANSWER: Betrayed by Rita Hayworth or La Traci3n De Rita Hayworth

(10) This novel about Horacio Oliveria contains a section of "expendable chapters" and encourages the reader to read the chapters in different orders.

ANSWER: Hopscotch or Rayuela

12. Name the following simple, but flawed, physical laws, FTPE.

(10) This law describing the electrical force between two point charges has a similar form to Newton's law of gravitation.

ANSWER: Coulomb's Law

(10) This classical thermodynamic theorem relates the internal energy of a gas to the temperature and the number of degrees of freedom for the motion of the molecules.

ANSWER: Equipartition Theorem

(10) This relation between the circulation of the magnetic field and the current enclosed must be corrected with Maxwell's displacement current to agree with experimental results.

ANSWER: Ampère's Law

13. Name these World War I flying aces, FTPE.

(10) His 22 kills in World War I were less remembered than his position as head of the Luftwaffe in World War II.

ANSWER: Hermann Goering

(10) His 80 victories made this German the most successful and by far the most famous World War I ace.

ANSWER: Manfred von Richtofen (prompt on "the Red Baron")

(10) This most successful American ace shot down 26 planes in 1918 and won the Medal of Honor.

ANSWER: Edward Rickenbacker

14. Answer the following about a South American conflict, FTPE.

(10) This 1864-1870 war pitted Paraguay against Argentina, Brazil, and Uruguay.

ANSWER: War of the Triple Alliance (prompt on "Paraguayan War")

(10) He succeeded his father as leader of Paraguay and promptly built up a huge army. His aggression helped bring about the war.

ANSWER: Francisco Solano Lopez

(10) This "schoolmaster president," who succeeded Bartolomé Mitre in Argentina in 1868, partitioned the pampas, built hundreds of schools, and built railroads to Patagonia.

ANSWER: Domingo Faustino Sarmiento

15. Name the Old Testament prophet from exploits, FTPE.

(10) He went to Tarshish to avoid going to Nineveh, which caused a massive storm to be brought down upon the boat in which he sailed.

ANSWER: Jonah

(10) He crowned Saul king and prepared David for his eventual reign. After his death, Saul went to the Witch of Endor to summon his spirit.

ANSWER: Samuel

(10) While in the town of Shunem, he resurrects a rich woman's son. Earlier, he was named Elijah's successor after Elijah's ascent to heaven in a fiery chariot.

ANSWER: Elisha

16. English painters, FTPE.

(10) Though primarily a landscapist, he was the favorite portrait painter of the family of George III and also painted *Mr. and Mrs. Andrews*.

ANSWER: Thomas Gainsborough

(10) Ranked with Turner as one of the finest English landscape painters, he painted many of his works in his native Suffolk; *The Haywain* being an example.

ANSWER: John Constable

(10) Born in Paris to English parents, he is also labeled as a French Impressionist. His works include *The Bridge at Argenteuil* and *Flood at Port-Marly*.

ANSWER: Alfred Sisley

17. Identify the following scalar quantities associated with vector-valued functions, for 15 points from a mathematical definition, or 10 points from a more conventional one.

(15) The magnitude of the derivative of the unit tangent vector with respect to arc length.

(10) Symbolized by kappa, it is, in three dimensions, the quantity by which a surface deviates from a plane.

ANSWER: curvature

(15) The negative dot product of the unit normal vector and the time derivative of the binormal vector.

(10) Symbolized by tau, this quantity, in three dimensions, measures the degree to which a curve is twisting.

ANSWER: torsion

18. Identify the following related to the Louisiana Purchase.

(10) This 1795 treaty with Spain secured the right of deposit for American goods at New Orleans.

ANSWER: Pinckney's Treaty or Treaty of San Lorenzo

(10) This 1800 treaty secretly returned Spanish-controlled Louisiana to France in exchange for the kingdom of Etruria in Tuscany, to be controlled by the Duke of Parma.

ANSWER: Treaty of San Ildefonso

(5, 5) For five points each, name the two Americans who negotiated the terms of the Louisiana Purchase.

ANSWER: Robert Livingston and James Monroe

19. Given a double-replacement reaction in aqueous solution, name the compound that precipitates from reaction FTPE. Symbols or names are acceptable.

(10) AgNO_3 (silver nitrate) reacts with KCl (potassium chloride).

ANSWER: AgCl (silver chloride)

(10) $(\text{NH}_4)_2\text{CO}_3$ (Ammonium Carbonate) reacts with BaI_2 (Barium Iodide).

ANSWER: BaCO_3 (barium Carbonate)

(10) CaCrO_4 (Calcium Chromate) reacts with CdBr_2 (Cadmium Bromide).

ANSWER: CdCrO_4 (Cadmium Chromate)

20. FTSNOP, name the Samuel Beckett play from characters.

(5) Vladimir, Estragon, Lucky, Pozzo.

ANSWER: *Waiting for Godot* or *En Attendant Godot*

(15) Winnie, Willie.

ANSWER: *Happy Days* or *Oh Les Beaux Jours*

(10) Hamm, Clov, Nagg, Nell.

ANSWER: *Endgame* or *Fin de Partie*