

## Buzzerfest VII: 15 Minutes to Wapner

Edited by Chris Frankel  
Packet by Swarthmore

### Tossups

1. This plot of this novel, which ends in Touggourt, is influenced heavily by tuberculosis. The title character's wife has a miscarriage and later dies from the disease, which also contributes to the title character's rebirth. As the title character recovers, he becomes obsessed with Bachir, and loses interest in his marriage to Marceline as he pursues his desire for Arab boys and wanton gay sex. FTP, name this novel about Michel's hedonistic indulgences, written by Andre Gide.

ANSWER: The Immoralist or L'Immoraliste

2. Reacting the most simple of these compounds with formaldehyde yields the polymer Bakelite. These compounds were often synthesized by the Dow process, but now are generally formed by heating cumene in air and reacting the hydroperoxide intermediate with acid. Resonance stabilization of negative ionic forms of these molecules explains why they are much more acidic than alcohols. FTP, name this class of chemical compounds, represented by a hydroxyl group bonded to an aromatic ring.

ANSWER: phenols

3. The loser of this battle had his forces camped out at the base of Mount Dogantzes, and prepared for the fight by placing Syrian troops in the center lines, a mixed Cilician and Spanish force to the right along the bank of the Enipeus River, and preparing for a flank attack with his vastly superior cavalry. The victorious leader, seeking to avenge a loss at Dyrrachium, accounted for the plan by hiding infantry behind his own cavalry, and proceeded to rout his opponent's army on the namesake plain. Described in an epic by the poet Lucan, this is, FTP, what decisive 48 B.C. battle where Pompey was defeated by Julius Caesar?

ANSWER: Battle of Pharsalus

4. This park's main visitor center is located near Panther Junction, which lies east of Green Gulch and south of the Grapevine Hills. Its highest peaks include Elephant Tusk, Lost Mine Peak, and Emory Peak, all of which can be found in its central Chisos mountain range. The Mariscal Mountains and Santa Elena Canyon are among its features that lie along the national border to the south. FTP, name this national park in West Texas, named for a large shift that occurs in the course of the Rio Grande.

ANSWER: Big Bend National Park

5. His second novel, subtitled "The Romantic Adventures of a Gentle Man" and telling the story of a man named Wrenn, was his first work to use his real name, as he used the name Tom Graham to publish his first novel, *Hike and the Aeroplane*. He attacked racism in a novel about a man who discovers he is 1/32nd black, *Kingsblood Royal*; told the story of a social reformer who marries a corrupt judge in *Ann Vickers*, and explored the possibility of a fascist coup in America with *It Can't Happen Here*. FTP, name this creator of Gopher Prairie, the author of *Main Street* and *Babbitt*.

ANSWER: Sinclair Lewis

6. TTL Device 7486 includes four of this type of gate which is used to implement cyclic redundancy checks. For binary fan-in, it is logically equivalent to the sum of A or not B and not A or B. The C programming language uses a caret to symbolize it, though it can also be denoted as an underlined "v" or as a circled addition symbol. FTP, name this logical gate that is only true when an odd number of inputs is true.

ANSWER: Exclusive or or xor

7. In Act 2, the lead female character relates the story of a necklace she was once given by a fugitive whom she had hidden from the authorities, then sings "*Comme autrefois dans la nuit sombre*" after Nourabad leaves her to herself. The necklace comes into play again in Act 3, Scene 1 as one of this opera's title characters recognizes it, identifying him as the ex-fugitive. Feeling a sudden wave of remorse, he sets the camp afire to allow Leila and her lover, the other title character, to escape their impending execution at the

end. Revolving around a love triangle between Zurga and Nadir, the titular anglers, in FTP, what opera, set in Ceylon and composed by Georges Bizet?

ANSWER: The Pearl Fishers

8. Chapter XVI discusses the benefits of parsimony, as lavish spending creates a need for excessive taxation, and can indirectly lead to revolution. The next, and most famous, chapter quotes a passage in *The Aeneid* from Dido to signify the plight of new leaders, then compares Hannibal and Scipio, criticizing the latter for handling a mutiny in overly gentle fashion. Continuously extolling the importance of strength and skill, or *virtu*, this is FTP, what practical guide to ruling dedicated to Lorenzo di Medici, written by Machiavelli?

ANSWER: The Prince

9. One of this novel's main characters, after the death of her husband Charles, leaves her daughter Irma in London to travel through Europe with her friend. An unemployed dentist's son named Geno marries the widow and impregnates her, but she dies in childbirth. The snobbish Herriton family sends Lilia's siblings Harriet and Philip to take the baby and "save" the child from being raised as an Italian, though this struggle inadvertently leads to the baby's death, and Philip returns to England with Caroline Abbott. FTP, name this E.M. Forster novel whose title completes the quote beginning with "fools rush in..."

ANSWER: Where Angels Fear to Tread

10. He met his death in battle, despite the help of Caldwell's Rangers, largely due to the cowardice of Henry Proctor, who ordered a retreat while he and his men were fighting in the swamp. His earlier success came during his alliance with General Isaac Brock, which culminated in the capture of Fort Detroit. He gave a defiant speech at Vincennes, mainly a reaction to the loss of his people's land from the Treaty of Fort Wayne, and with spiritual help from his brother, sought to form an Indian alliance. FTP, name this man who was killed at the Battle of the Thames, a Shawnee chief and brother of "the Prophet."

ANSWER: Tecumseh or Tecumtha

11. One current Wisconsin research project is studying the applicability to animal wound healing of this ubiquitous technological device. First developed using aluminum-gallium arsenide by Nick Holonyak, the device operates properly when forward biased. In recent years materials such as silicon carbide have been used to create PN junctions whose characteristic wavelengths are blue. FTP, name this class of devices, which, via electroluminescence, discharge a characteristic colored light.

ANSWER: Light Emitting Diodes

12. According to legend, it was kept in a Jewish Temple until the Babylonian invasion, when the prophet Jeremiah absconded with it to Ireland. In the 6th Century AD, it was taken by the Dalriada Scots to its namesake location. Edward I stole it in 1296, and never kept his promise, made in the 1358 Treaty of Northampton, to return it. It was finally brought to Edinburgh Castle in 1996 under the stipulation that it will be returned to Westminster for future coronations. FTP, name this longsuffering relic, said to weep if an unworthy monarch stands on it.

ANSWER: The Stone of Scone, Stone of Destiny, Lia Fail, Jacob's Pillow, the Bethel Stone, the Tanist Stone, or the Coronation Stone (before mention of coronations)

13. This work's third story references Byron's "She Walks in Beauty," and is entitled "The Summer Nights." Walter Gripp ends up on a date with a fat girl through a random phone call in "In Silent Towns," and the characters of Sam Parkhill, Captain Wilder, and Hathaway are introduced in "And the Moon be Still as Bright." One story tells of a dream house whose owners were killed during a nuclear war and takes its title from the Sara Teasdale poem, "There Will Come Soft Rains." Also containing such stories as "Ylla," "The Million Year Picnic," and "Rocket Summer," this is, FTP, what short sci-fi story collection with an extraterrestrial setting, written by Ray Bradbury?

ANSWER: The Martian Chronicles

14. In a response to it, Denis Diderot used the example of Islam and said, "An imam could just as well reason the same way," demonstrating the many-gods objection. The evidentialist challenge to this theory calls it an unethical form of manipulative reasoning that would undermine any hope of achieving the

expected payoff, and the intellectualist objection holds that true belief is deeper rooted than a simple “yes-or-no” choice. These are all ways atheists have criticized, FTP, what argument promoting belief in God and structured in the form of a bet that says it would be safer to believe in God than not?

ANSWER: Pascal's Wager

15. This structure is primarily derived from the Speeman organizer, a cluster of mesodermal cells that induce the ectoderm above to form specialized longitudinal folds. They can be found in developing members of the tunicate subphylum, but unlike the pharyngeal slits, they are not present in adults. In contrast, in lancelets, they extend all the way to the tip of the head for life. Hagfish and lampreys are the only members of their subphylum in which this structure is not replaced during maturation. FTP, name this flexible, rod-like structure that typically develops into the vertebral column, a defining feature of the Chordata phylum.

ANSWER: notochord

16. This thinker traveled to Aberdeen to reconcile Aristotelian and Kantian thoughts on judgment in the Gifford Lectures, the basis of *The Life of the Mind*, and suffered a near-fatal heart attack there. Other works include *Between Past and Future* and work analyzing various revolutions, *On Revolution*. The author of *The Human Condition*, she studied under Karl Jaspers, but is more infamous for her affair with Martin Heidegger. FTP, identify this woman who, in 1961, covered the trial of the Nazi Adolf Eichmann.

ANSWER: Hannah Arendt

17. The constellation of Orion's belt also has been called her spinning wheel, because this goddess spent much of her time weaving at her hall, Fensalir. Often linked to the Norns, she possesses knowledge of everyone's fate but refuses to reveal it. Attended by maids like Hlin and Fulla, and her messenger, Gna, she made her greatest mistake with her failure to ask for a vow from the mistletoe plant, which allowed Loki to bring about the death of her son, Baldur. FTP, name this Norse goddess of marriage and motherhood, the wife of Odin.

ANSWER: Frigg

18. The man held responsible for it was defended in Parliament by Edward Carson, though he could not prevent the official vote for censure. Investigated by the Hunter Commission, it was a response to organized protests of the Rowlatt Act. 20 years later, anger over this event prompted a youth who had witnessed it from the Khalsa Orphanage to assassinate Michael O'Dwyer, who at the time was the colonial governor. Perpetrated by soldiers under Reginald Dyer, this is, FTP, what 1919 event that saw over 300 Indians killed in a city holy to the Sikhs?

ANSWER: Amritsar Massacre

19. The book's narrator twice saves his own life by shooting out diarrhea at attackers: in one case a lady who blames him for letting her son be killed by a bear, the other an angry mob whose garden he ate. Kidnapped by bandits, the narrator struggles to find a patch of roses that can save him from the spell caused by an ointment rubbed on him by his lover Photis, until he is finally restored to his normal form by Isis and becomes a priest for her in gratitude. FTP, name this Roman work about Lucius, a man transformed into a pack animal, written by Apuleius.

ANSWER: The Golden Ass

20. This collection, catalogued in the Brugada Inventory, has been subjected to disputes over its authenticity, with a claim that they were painted by the artist's son being the theory from leading skeptic, Professor Junquera. Leocadia Weiss was one of the subjects of this series, which the artist, then 73, began in 1820 after purchasing the House of the Deaf Man and painting this series directly on the plaster. FTP, name this set of dark pictures which include a depiction of Saturn and were produced in a house outside Madrid, allegedly by Francisco Goya.

ANSWER: The Black Paintings

21. Originally given to a friend, Anselm Huttenbrenner, as thanks for his work in securing the composer's membership in the Music Society of Graz, its allegro moderato first movement opens with the cellos and basses leading in a melody played by the oboe and clarinet. A second melody is introduced by the cellos,

followed by a series of pizzicato chords. The andante con moto second movement intersperses tranquility with violent outbreaks. Also called the *Symphony in B minor*, only nine orchestrated bars were written of the third scherzo movement, though its complete form can be found in a series of piano sketches. FTP, identify this symphony, its composer's eighth.

ANSWER: Schubert's Unfinished Symphony or Schubert's Eighth or Schubert's Symphony in B minor  
(before given in the question)

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### **Bonuses**

1. Artists who did renditions of George Washington, FTPE.

(10) This neoclassicist did two famous sculptures of Washington: one clad in a toga, the other statue posing next to a fasces and located outside the Virginia State Capitol.

ANSWER: Jean Antoine **Houdon**

(10) This American portrait painter did the rendition of Washington that now appears on the one dollar bill.

ANSWER: Gilbert **Stuart**

(10) He immortalized Washington's approach to the Battle of Trenton in *Washington Crossing the Delaware*.

ANSWER: Emanuel **Leutze**

2. FTPE, name the following chemical reagents and catalysts.

(10) Reacting alkynes with this catalyst, a deactivated palladium on calcium carbonate, will yield alkenes.

ANSWER: **Lindlar**'s catalyst

(10) Named for a French chemist, this type of reagent consists of an organic magnesium halide dissolved in a non-reactive solvent.

ANSWER: **Grignard** reagent

(10) This reagent, which is an acidic containing ion, oxidizes secondary alcohols to ketones and primary alcohols to carboxylic acids

ANSWER: **Jones'** reagent

3. Answer the following questions about related topics FTPE:

(10) John Steinbeck's first novel, this historically themed work recounts the life of pirate Henry Morgan.

ANSWER: **Cup of Gold**

(10) William Legrand describes his efforts to decipher a secret code and find Captain Kidd's treasure in this Poe story.

ANSWER: "The **Gold Bug**"

(10) Joseph Heller's third book, this novel chronicles the involvement of a middle-aged Jewish-American English professor in White House politics.

ANSWER: **Good as Gold**

4. FTPE, answer the following questions about Charlemagne.

(10) This pope who crowned Charlemagne Holy Roman Emperor on Christmas day, 800.

ANSWER: **Leo III**

(10) Charlemagne defeated the Basques at this 775 battle, although legend has it that he lost his entire rearguard here. *The Song of Roland* focuses on this event.

ANSWER: Battle of **Roncesvalles** (accept "Battle of **Roncevaux**")

(10) The only son of Charlemagne to survive him, this man inherited the Frankish empire in 814. His own death in 840 divided the empire between his sons

ANSWER: **Louis the Pious** or **Louis the Fair**

5. Identify these cations from their biological functions FTSNOP.

(10) This ion regulates the citric acid cycle, stimulating ATP production. It also stimulates muscle contraction to use up that ATP.

ANSWER: **calcium** or **Ca<sup>2+</sup>**

(5,5) For five points each, these two ions are pumped by the body to establish an electrochemical gradient across cell membranes.

ANSWER: **sodium** or **Na<sup>+</sup>**, and **potassium** or **K<sup>+</sup>**

(10) Chlorophyll and hemoglobin are derived from the same protoporphyrin, but this ion is found in chlorophyll rather than iron.

ANSWER: magnesium or Mg<sup>2+</sup>

6. Name these John Dryden works FTPE:

(10) Nahum Tate contributed to the second part of this anti-Puritan satire, which tells the story of the Earl of Shaftsbury and Duke of Monmouth using the names of Biblical characters.

ANSWER: Absalom and Achitophel

(10) This long poem recounts major events of 1666, such as the Great Fire of London.

ANSWER: Annus Mirabilis

(10) Taking its title from a treatise by Lord Herbert of Chesterbury, this personal poem describes his acceptance of the “middle way” of Anglicanism.

ANSWER: Religio Laici or A Layman’s Faith

7. Identify the following people involved with Helen of Troy.

(10) Helen's first abduction took place at the tender age of 12, when this aging Athenian hero was captivated by her beauty.

ANSWER: Theseus

(5,5) Two answers required, five points for each one: These twin brothers of Helen, one mortal, one divine, rescued her from Theseus..

ANSWER: Castor and Pollux (accept “Polydeuces” for “Pollux”)

(10) Some variants on the Helen myth say she was knocked up by Theseus, thus bearing this woman, who is normally considered the daughter of Agamemnon and Clytemnestra. Agamemnon tricked her into believing she would be married to Achilles so he could sacrifice her to Artemis.

ANSWER: Iphigenia

8. FTPE, answer these questions about Scott Francis' favorite Nazi organizations.

(10) Established by Himmler in 1925, this protective squadron eventually served as the secret police.

ANSWER: SS or Schutz Staffel

(10) Formed in 1940, this subdivision of the SS fought in battle along with the Wehrmacht.

ANSWER: Waffen-SS

(10) This organization was run by Baldur von Shirach, and was used to train teenagers for the military.

ANSWER: Hitler Youth

9. Answer the following about phonetics, FTPE:

(10) This is a vowel in which the tongue starts in one position and ends in another. An example in English is “spoil,” which is what Doug O’Neal’s message board posts do to the online quiz bowl forum.

ANSWER: diphthong

(10) This is the quality of a consonant when the vocal cords are vibrating.

ANSWER: voiced

(10) This is the manner of articulation in most American speakers' pronunciation of t's and d's that occurs between vowels. Some examples can be seen in “puddle” or “battle.”

ANSWER: flap

10. Give the following cell structures common to prokaryotes FTPE.

(10) Prokaryotes commonly possess the gas type of this structure. In contrast, protists have food and contractile ones.

ANSWER: vacuole

(10) This region, also not bound by a membrane, contains the single prokaryotic chromosome and is present in all bacteria, even those that lack plasmids.

ANSWER: nucleoid (also accept nuclear body, chromatin body, or nuclear region)

(10) These dormant structures, stained by heated malachite green, are resistant to heat, UV radiation, desiccation, and gamma radiation and are most notably found in *Bacillus anthracis*.

ANSWER: endospores

11. Answer these questions about a dubious online phenomenon, FTPE.

(10) \$5 or a referral from a friend allows you to get an account at this website that provides online diary space. If you read Sudheer Potru's page here, you can hear him whine about his sexual frustration and talk about how profound Nickelback is.

ANSWER: LiveJournal.com

(10) This douchey actor played Wesley Crusher on Star Trek: The Next Generation and now runs an equally douchey blog called WWDN.

ANSWER: Wil Wheaton

(10) This leftist social scientist runs a blog called "Turning the Tide," which effectively amounts to a daily "I hate Bush" circle jerk.

ANSWER: Noam Chomsky

12. FTPE, Answer the following about literary characters who say even less than noted Guy Jordan look-alike, Matt Lafer.

(10) "I would prefer not to" are the only words you'll get out of this titular copyist in a Herman Melville short story.

ANSWER: Bartleby the Scrivener

(10) In this Dumas-pere novel, it is revealed that Villefort's father, a former Bonapartist who can only communicate with his eyes, killed a prominent royalist in a long-ago duel.

ANSWER: The Count of Monte Cristo

(10) Katrin, the daughter of this title character, is a deaf-mute who never says a word or does much until the end of the play, when she bangs a drum to warn a village of an impending attack, and is killed by soldiers.

ANSWER: Mother Courage

13. Given the quote from a vice-presidential debate, name the person who said it FTPE, 5 if you need the year and opponent.

(10) "Sir, I served with Jack Kennedy, I knew Jack Kennedy, Jack Kennedy was a friend of mine. Senator, you are no Jack Kennedy."

(5) 1988, Dan Quayle

ANSWER: Lloyd Bentsen

(10) "If we added up the killed and wounded in Democrat wars in this century, it'd be about 1.6 million Americans — enough to fill the city of Detroit."

(5) 1976, Walter Mondale

ANSWER: Bob Dole

(10) "Who am I? Why am I here? I'm not a politician – everybody knows that."

(5) 1992, Dan Quayle and Al Gore

ANSWER: James Stockdale

14. Answer the following about a fundamental force from physics, FTPE.

(10) This force has a coupling constant of 1. Yukawa conjectured that pions were its exchange particles.

ANSWER: strong force

(10) This concept was introduced as the strong interaction analog to charge in the electromagnetic force. It allows three particles to coexist in a single particle and satisfy the Pauli exclusion principle.

ANSWER: color

(10) This is the generic name for particles which interact by the strong interaction. The group excludes leptons, but includes mesons and baryons.

ANSWER: hadrons

15. A lot of characters from Russian literature committed suicide. FTSNOP:

(5) After the disintegration of her passionate love affair with Vronsky, she throws herself under a train.

ANSWER: Anna Karenina

(10) In this novel, Dunya refuses Arkady Svidrigaylov, who in turn spies on Sonya. Arkady sees a Jewish man who looks like Achilles and tells him that he's going to America, then shoots himself.

ANSWER: Crime and Punishment

(15) After his Jewish wife Anna dies from consumption, this title character is betrothed to Sasha, a more suitable Christian woman, but shoots himself offstage at the end of the play.

ANSWER: Nikolai Ivanov

16. Roman religious festivals, FTPE.

(10) Named for the father of Jupiter, this festival started on December 17 and celebrated the winter solstice and the harvest. During this time, slaves briefly were allowed to act as equals to their masters.

ANSWER: Saturnalia

(10) Honoring the Roman goddess of flowers, this May Day-like festival began near the end of April and celebrating the coming of spring.

ANSWER: Floralia

(10) Known as the “Feast of the Wolf,” it occurred February 15 each year, celebrated fertility, and is considered a major historical predecessor to Valentine’s Day.

ANSWER: Lupercalia

17. Name these Mahler works from descriptions, FTPE.

(10) This song cycle, which Mahler chose not to call his ninth symphony because of superstition, was written in 1908 and set to Chinese poems translated into German.

ANSWER: Das Lied von der Erde (or The Song of the Earth)

(10) This second of Mahler’s Wunderhorn symphonies, it includes a mezzo-soprano solo set to words from *Also sprach Zarathustra*, and later introduces a children’s chorus singing a bell-like passage and a women’s chorus.

ANSWER: Symphony No. 3 (or Third Symphony)

(10) This mournful cycle of five songs, first performed in 1905, was based on poems by Friedrich Rückert.

ANSWER: Kindertotenlieder or Songs on the Death of Children

18. Answer the following about types of matrices, FTPE:

(10) This is a square matrix whose determinant is zero.

ANSWER: singular or "non-invertible"

(10) This is a matrix whose elements are first-order partial derivatives.

ANSWER: Jacobian

(10) This is a matrix that is equal to its conjugate transposed.

ANSWER: Hermitian

19. Identify the following Crusades from descriptions, FTPE. (Moderator: don’t reveal answers until the end).

(10) It occurred in 1228, when the excommunicated Emperor Frederick II used diplomacy to gain parts of the Holy Land from Egypt without bloodshed.

ANSWER: sixth

(10) Instigated by the fall of Jerusalem, it saw Philip Augustus and Richard the Lion-Hearted among the leaders of the armies. It ended with a truce and Saladin’s grant of access to Jerusalem.

ANSWER: third

(10) It was called by Pope Innocent III in 1202, but the armies never reached the Holy Land, instead choosing to sack Constantinople.

ANSWER: fourth

20. Given a description of his conception of the “state of nature”, name the philosopher, FTPE.

(10) According to him, it involves “continual fear, and danger of violent death; and the life of man, solitary, poor, nasty, brutish, and short.”

ANSWER: Thomas Hobbes

(10) He called it “... a state of perfect freedom to order their actions, and dispose of their possessions and persons as they think fit, within the bounds of the law of Nature, without asking leave or depending upon the will of any other man.”

ANSWER: John Locke

(10) This 17th Century German claimed that the state of nature encompassed both a natural right to liberty and a “common kinship which results from similarity of nature,” in his *On the Duty of Man and Citizen*.

ANSWER: Samuel von Pufendorf