

Buzzerfest VII: 15 Minutes to Wapner

Edited by Chris Frankel
Packet by Chicago (Subash Maddipoti)

Tossups

1. Barium titanate might have the greatest one with a value of approximately 2,000. It is a number without dimensions and denotes a large-scale property without specifying the electrical behavior on the atomic scale. It is expressed by the Greek letter kappa, and in the cgs system of measurement this value is identical to permittivity. The higher that value, the more it can increase the capacitance of a capacitor. FTP, name this constant that defines the ability of a material to resist the formation of an electrical field within it.

ANSWER: **dielectric** constant (prompt on early buzz of "permittivity")

2. Before the tragedy that ends this play, the central female hears music and a song in the sky. This could be related to the title character's worsening madness, which is detected by Dr. Herdal and his wife, Aline. This doesn't prevent him from manipulating Kaja Fossli, who is engaged to his assistant, Ragnar Brovik. Events are set in motion with the arrival of Hilda Wangel, who convinces the title character to relive former greatness by climbing to the tower of his new house, where he falls to his death. FTP, name this play about the architect Halvard Solness written by Henrik Ibsen.

ANSWER: *The **Master Builder***

3. His attempt at resurrecting his reputation, the biography *In the Court of Public Opinion*, proved unsuccessful. As Secretary General of the San Francisco Conference, he was asked to fly the UN Charter back to Washington to receive President Truman's signature. He began his career working as a secretary for Oliver Wendell Holmes and went on to serve in the departments of Justice and State until a 1948 revelation. FTP, name this man who became a convicted felon in 1950, three years after Whittaker Chambers accused him of espionage.

ANSWER: Alger **Hiss**

4. Its title character was a student of the Patriarch Subodhi, who taught him the cloud trapeze and the secret of seventy-two transformations. Among the monsters we meet in this novel are the Lion Demon disguised as the king of Cock-crow, and the more helpful pair of Pigsy and Sandy. All "eighty-one calamities" are not related in Waley's translation, but we are introduced to Triptitaka, the monk who brings Buddhist scripture back to China. FTP, name this 16th Century novel by Wu Ch'eng-en that chronicles a pilgrimage to India.

ANSWER: *Record of a **Journey to the West** or **Monkey** (or **Hsi Yu Chi**)*

5. He tried to study to become an accountant after leaving the Champions, but that didn't last. He was angered by an attack on his father, who spoke out against Graydon Creed, and didn't realize the full extent of his powers until the White Queen took control of his body. His powers had first publicly manifested themselves when he tried to defend his girl friend Judy Harmon, which landed him jail, but also caused him to be recruited by Cyclops to become the youngest member of the original X-Men. FTP, name this comic book hero, also known as Bobby Drake, and possessing the ability to freeze objects.

ANSWER: **Iceman** (accept early buzz of "Bobby **Drake**")

6. Elevated blood levels of one subunit of this protein are the determinant in a test to detect the occurrence of a myocardial infarction. Its "T" subunit binds it to the protein that lies ahead of it, and the "I" subunit is an inhibitory subunit and the cardiac test marker. It is the "C" subunit that regulates the uptake of calcium 2+ by this protein. FTP, name this protein that regulates contraction in striated muscle along with tropomyosin.

ANSWER: **troponin**

7. It includes the author's statement that only chamber pots and slave chains should be made of gold. The actual description in this book begins after letters to William Cecil and Peter Giles. It is actually a traveler in Antwerp, Raphael Hythloday, who relates the stories of the title locale to the author. The work itself was published on the continent, in Louvain, under the supervision of Erasmus and took its name from the Latin for "nowhere place." FTP, name this long speculative essay about an ideal land, the major work of Sir Thomas More.

ANSWER: **Utopia**

8. This ruler spoke at a popular assembly before the Magnaura Palace for the election of Tarasius to the patriarchate and was eventually deposed by the imperial treasurer, who became Nicephorus I. Seizing power following the death of Leo IV, she canceled the betrothal of her son Constantine VI to Rotrud, daughter of Charlemagne, and later had Constantine blinded. FTP, name this Byzantine empress who convened the Second Council of Nicaea which reunified the Eastern Church with the Roman Church by restoring the adoration of icons.

ANSWER: Irene

9. After a skirmish with the *Athee*, one character in this novel dies by uttering the title character's name as his last words. Two pivotal incidents include the title character spilling a soup pan upon a sudden lurch and a nighttime encounter in which he is offered two guineas. Accessory players include the Dansker, who informs the title character of some enmity, and Squeak who perpetuates that enmity. The action culminates with the accidental death of Claggart and a sentence of death issued under the directives of Vere. FTP, name this posthumous novel which ends with the hanging of the title foretopman, a short work by Herman Melville.

ANSWER: *Billy Budd*

10. The most famous revision of Haydn's second one in D major was the 1890 one by Francois-Auguste Gevaert. Friedrich Grutzmacher arranged Luigi Boccherini's ninth one in B flat major, and in addition to his famous minuet, Boccherini is known best for this type of piece. Shostakovich's first one in E flat major is ranked among the most difficult, though it is said that the solo part was perfected in a mere three days by Rostropovich. Other notable examples include Elgar's in E minor and Dvorak's in B minor. FTP, name this type of orchestral piece which might feature Pablo Casals or Yo Yo Ma as a soloist.

ANSWER: cello concertos

11. A key statistic in this text was the public laziness, which the author illustrated with a century's decline from the 70-hour work week of 1850. It argued that we should not worry about accumulating of consumer goods. Rather, funds should be used to improve schools and social services. According to its author, private sector growth was the primary characteristic of the title institution, which describes the U.S. after World War II. FTP, name this 1958 work by John Galbraith.

ANSWER: *The Affluent Society*

12. Two key sites in this battle were the Nebel River, at which the loser's cavalry was concentrated, and the town of Oberglau, which was held by the loser's left flank. By sun set on August 13, 20,000 Bavarian and French were dead or wounded and Marshal Tallard's forces were crushed. As a result of this battle, Maximillian's quest to become Holy Roman Emperor was no longer valid. FTP, name this first major defeat suffered by the French in Louis XIV's lifetime, a major victory for Eugene of Savoy and Marlborough in 1704.

ANSWER: Battle of Blenheim

13. The carcinogenic properties of polycyclic aromatic hydrocarbons are caused by the reaction of these compounds with DNA. Their industrial preparation involves the addition of a chlorhydrin to an alkene and then treatment with a base to remove hydrochloric acid. They are most commonly made by acting a peroxyacid upon an alkene - an action that causes the transfer of an oxygen atom. FTP, name these cyclic ethers with a three-membered ring, whose name is synonymous with a gluing agent.

ANSWER: epoxide (do not prompt on or accept "epoxy")

14. When Lucan visited his purported home, the writer reported that this deity had died in a gorge. His name comes from the Semitic word meaning "My Lord, My Master" and appeared throughout his greatest temple at Byblos. He was stolen away after his mother Myrrha was turned into a tree and lived a short life before he was killed by a boar while hunting. By then Zeus had already decreed how he should spend each year of his life. FTP, identify this deity who was fought over between Persephone and Aphrodite and whose name has become synonymous with male beauty.

ANSWER: Adonis

15. It passed in large part due to the accession of John Holmes and John Chandler, senators from one of the key states. An immediate result was the Thomas Proviso, after Senator Jesse Thomas of Illinois, though it is now known by another name. It grew out of an amendment proposed by Representative James Tallmadge, and would be ruled

unconstitutional thirty-seven years later in Dred Scot. FTP, name this bill orchestrated by Henry Clay, which set a line for slavery in the Louisiana Purchase and admitted the namesake state as a slave state.

ANSWER: Missouri Compromise or Compromise of 1820

16. Advocates of this theory postulated the equivalent of about one hydrogen atom per cubic kilometer per year as the constant rate of matter creation implied by the perfect cosmological principle. One of this theory's supporters derisively labeled the theory's main rival the "Big Bang" theory. An infinitely old Universe and truly constant Hubble constant were among the features of, FTP, what cosmological model proposed by Bondi, Gold and Hoyle, featuring an expanding but unchanging universe?

ANSWER: steady-state theory or model (accept equivalents as long as "steady-state" is mentioned)

17. This painting was commissioned by the Queen of Naples, Napoleon's sister, but never delivered due to the little man's fall. It was painted in imitation of the artist's teacher's *Madame Recamier*, on which its artist assisted. The right is set off by silk blue drapery, in front of which rests a long black-handled pipe. The title character holds a peacock-feathered flywhisk in her right hand and wears some sort of wrapped headdress. Perhaps most notable is the depiction of her extremely long spine. FTP, name this depiction of a reclining nude, the most famous painting of Ingres [ahn-GRAY].

ANSWER: *La Grande Odalisque*

18. His career takes a new turn when Colonel Creighton of the Ethnological Survey becomes aware of his intelligence. This was a far cry from his aimless wandering with an old lama and his childhood as a vagabond on the streets of Lahore. As a result of his fortune he comes under the direction of Hurree Babu and distinguishes himself by capturing the papers of a couple of Russian spies in the Himalayas. FTP, name this orphaned son of an Irish sergeant and title character of a Rudyard Kipling novel.

ANSWER: Kimball O'Hara (accept either name)

19. The Knights of the Cross with the Red Star were established by the one from Prague, who also built a Franciscan hospital and monastery. A monastery at Proceno commissioned by Pope Nicholas IV was run by the one from Montepulciano. Another was the sister of Clare of Assisi who established Poor Clare monasteries across Northern Italy. The most famous one, hailing from Rome, often is depicted as a young girl holding a lamb. FTP, give the common name shared by the saint known for the eve of her January 21st feast day, on which girls were said to see the image of their future husbands.

ANSWER: Agnes

20. The first recorded European expedition of it was carried out by Doudart de Legree and Francis Garnier, who took over after Legree's death. It contains roughly four thousand small islands in its See Phan Done section. The construction of the Manwan dam in 1993 sparked concern that this river would experience a significant alteration of its annual flooding cycle, which often causes the Tonle Sap River to change course during monsoon season. The home of Khone Falls, FTP, what is this river that flows from China through southeast Asia and empties in the South China Sea?

ANSWER: Mekong River

21. In Holland, Edward Sexby printed the pamphlet *Killing No Murder* calling for the assassination of this man. He would die the next year but not before accepting the Humble Petition. He secured his power with punitive expeditions against the Scots at Worcester and by massacring the Irish at Drogheda. This was the culmination of a military career that had early successes at Marston Moor and Naseby. FTP, name this man who died in 1658 in his sixth year as Lord Protector of England.

ANSWER: Oliver Cromwell

Buzzerfest VII: 15 Minutes to Wapner

Edited by Chris Frankel
Packet by Chicago (Subash Maddipoti)

Bonuses

1. Identify these Titans, FTPE.

(10) With his sister Theia, this early god of light fathered Helios, Selene, and Eos; respectively the sun, moon, and dawn.

ANSWER: **Hyperion**

(10) Queen of the Titans, she saved her son Zeus by tricking her husband Cronus into eating a stone instead.

ANSWER: **Rhea**

(10) Father of Atlas, Prometheus, and Epimetheus, he is sometimes labeled the original ancestor of the human race. He revolted against Zeus and was punished by banishment in Tartarus.

ANSWER: **Iapetus**

2. Most of the mass in the Universe is unaccounted for. FTPE:

(10) Approximately 25% of the Universe's density is provided by this generically-named unseen mass.

ANSWER: **dark matter**

(10) Oscillations between the electron, tau, and muon flavors of these particles imply that they have some mass, contributing to the dark matter.

ANSWER: **neutrinos**

(10) Dark matter also includes the MACHOs. MACHOs include white dwarfs, neutron stars, black holes, and these objects, which are larger than planets but too small to initiate hydrogen fusion. They are sometimes called failed stars.

ANSWER: **brown dwarfs**

3. Novels of Honore de Balzac, FTP each:

(10) Adeline becomes a wealthy baroness through marriage, and hires her titular relative as a maid. When Adeline dies, the bitter titular woman competes with Adeline's daughter Hortense for the love of Wenceslas.

ANSWER: **Cousin Bette**

(10) The soon to be cynical Eugene Rastignac is one of the residents of the Maison Vauquer in this fine novel about the titular bread merchant who suffers from the demands of his greedy daughters.

ANSWER: **Pere Goriot** or **Father Goriot** or **Old Goriot**

(10) Raphael de Valentin's Faustian agreement is the subject of this philosophical novel that suffers from some tedious scenes.

ANSWER: **The Wild Ass's Skin** (or **La Peau de Chagrin**)

4. Name these things about the rise to power of the Chinese Communist Party, or CCP, FTP each:

(10) In the mid-1920s the CCP cooperated with this ruling Nationalist Party, which had been founded by Sun Yat-Sen.

ANSWER: **Kuomintang**

(10) In 1946 Mao's CCP temporarily reached a truce with Chiang Kai-Shek's Nationalists under the auspices of this U.S. general, who later won a Nobel Prize for his plan for German recovery from World War II.

ANSWER: George **Marshall**

(10) The CCP forces cemented their power and forced Chiang Kai-shek to resign when General Pai Chung-hsi defeated the Nationalists in this November 1948 to January 1949 battle.

ANSWER: **Huai Hai** or **Suchow**

5. Name these African capitals from descriptions, FTPE.

(10) Construction of this planned city began in 1976, and in 1991 it replaced Lagos as its nation's capital.

ANSWER: **Abuja**

(10) In 1979, a French-backed coup in this city on the Ubangi River saw Jean-Bedel Bokassa ousted from power while he was away in Libya.

ANSWER: **Bangui**

(10) A 1994 agreement signed in this city sought to end civil war between UNITA and the government of neighboring Angola.

ANSWER: Lusaka

6. Name these random symphonies, FTPE.

(10) Movements such as "January 9th" and "Eternal Memory" in this Shostakovich symphony reflect on the Bloody Sunday massacre of the eponymous year.

ANSWER: *Symphony #11* or *The Year 1905*

(10) Written to drop a hint to the composer's patron, Prince Esterhazy, this symphony features a final movement where orchestra members would drop out and leave the stage one by one until the last musician was left.

ANSWER: Haydn's Symphony #45 or Farewell Symphony

(10) This Bruckner symphony in E flat Major was thoroughly revised several times before its 1881 premiere under Hans Richter.

ANSWER: *Symphony #4* or Romantic Symphony

7. Name these intellectuals whose rise coincided with the Harlem Renaissance:

(15) This sociologist and critic urged African-Americans to celebrate their heritage and become the "New Negro," in a 1925 book of that name.

ANSWER: Alain LeRoy Locke

(10) He spearheaded the "Back to Africa" movement and founded the Universal Negro Improvement Association but lost his credibility after being convicted of mail fraud and being deported back to Jamaica.

ANSWER: Marcus Garvey

(5) He introduced the concept of the "talented tenth," a black elite responsible for bettering the lives of less fortunate African-Americans. He is also credited as the founder of the NAACP.

ANSWER: W.E.B. Du Bois

8. Identify these things concerning heat, FTPE.

(10) This extensive variable is defined as the amount of heat required to change the temperature of an object by one degree.

ANSWER: heat capacity

(10) This dimensionless number is defined as the ratio of heat capacity per unit volume and the product of thermal conductivity, density, and the inverse of viscosity.

ANSWER: Prandtl number

(10) The Prandtl number is key in the study of this mode of heat transfer, which is the result of motion by or within a fluid medium.

ANSWER: convection

9. Actually a German princess, she was the daughter of Christian Augustus, prince of Anhalt-Zerbst. FTPE:

(10) This woman, who became a world leader in 1762.

ANSWER: Catherine the Great or Catherine II

(10) The czar of Russia and husband of Catherine the Great, for whom Catherine was chosen as a wife in 1744 by the Czarina Elizabeth.

ANSWER: Peter III

(10) The country Catherine established a virtual protectorate over in 1764 when she appointed her former lover to the throne as Stanislaus II.

ANSWER: Poland

10. Name these 20th-century American poets, FTP each:

(10) His poem about seducing a younger woman, "Ghost in the Martini," begins "Over the rim of the glass / Containing a good martini with a twist / I eye her bosom and consider a pass." Other fine poems include "More Light, More Light!" and "Dover Bitch."

ANSWER: Anthony Hecht

(10) His poem "Skunk Hour" is dedicated to Elizabeth Bishop, but it is for the seventeen-stanza "For the Union Dead" that he is best known."

ANSWER: Robert Lowell

(10) According to one of the lines in his poem "Howl," "the best minds of his generation . . . got busted in their public beards returning through Laredo with a belt of marijuana for New York."

ANSWER: Allen Ginsberg

11. Name these female U.S. cabinet members, FTP each:

(10) From 1983-1987 she was Secretary of Transportation, and from 1989-1990 she was Secretary of Labor before leaving to become the head of the Red Cross.

ANSWER: Elizabeth Dole

(10) As governor of New York, FDR had appointed her as Industrial Commissioner of the state and four years later, in 1933, he made her Secretary of Labor, making her the first female cabinet member.

ANSWER: Frances Perkins

(10) This former governor of New Jersey served as head of the EPA from 2001-2003, taking over from another woman, Carol Browner, in that post.

ANSWER: Christine Todd Whitman

12. He is a huge fan of Shakira and appears briefly on her DVD documentary *Shakira Live and Off the Record*. FTP each, name:

(10) This novelist of *No One Writes to the Colonel* and *The General in his Labyrinth*.

ANSWER: Gabriel Garcia Marquez

(10) This Garcia Marquez novel sees the Vicario brothers kill Santiago Nasar to avenge their sister's lost virginity; though everyone in town knows the murder is about to happen, nobody does anything about it.

ANSWER: Chronicle of a Death Foretold or Cronica de una Muerte Anunciada

(10) The recently released first volume of Garcia Marquez's planned three-volume memoirs. It begins with his birth in 1927 and ends in the mid-1950s on the day he proposed to his wife.

ANSWER: Living to Tell the Tale (or Vivir para contrarla)

13. Name these early turn of the 20th-century French art movements, FTP each:

(10) Louis Vauxcelles, an art critic, named this art movement that counted Maurice Vlaminck, Raoul Dufy, and Henri Matisse as its chief members.

ANSWER: Fauvism or Fauves

(10) Paul Serusier and Maurice Denis were its principal theorists, though Pierre Bonnard and Edouard Vuillard were its most famous members. They were unified in their hate for Impressionism and took their name from the Hebrew for "prophet."

ANSWER: Les Nabis

(10) It sought to introduce shimmering chromatic effects into the dryness of Cubism and was founded in 1912 by Robert Delaunay, though it was Apollinaire that gave this movement its name.

ANSWER: Orphism or Orphists

14. Name these American philosophers, who taught in the northeast, FTP each:

(10) Ralph Barton Perry wrote the definitive summation of this man's philosophy, which can be found in *The Varieties of Religious Experience* and *Pragmatism*

ANSWER: William James

(10) This longtime professor at Harvard was the chief American representative of the Idealist movement and authored *The Spirit of Modern Philosophy* in 1892.

ANSWER: Josiah Royce

(10) He was also at Harvard for a while, publishing such works as *Skepticism and Animal Faith* and the four-volume *Realms of Being*.

ANSWER: George Santayana

15. Name these things about the electron-transport chain, FTP each:

(10) This final respiratory enzyme complex in the chain contains a complex of a heme iron atom juxtaposed with a tightly bound copper atom.

ANSWER: cytochrome oxidase (do not prompt on partial answer)

(10) The electrons jump between the buried metal ions via this phenomenon.

ANSWER: electron tunneling

(10) About half of the cytochrome oxidase complex is located in this large internal space of the mitochondrion that contains several copies of the mitochondrial DNA genome.

ANSWER: matrix

16. Answer these questions about British literary feuds, FTP each:

(10) He wrote *The Poetaster* as a direct attack on Dekker and Marston but is best known for the less combative plays *The Alchemist* and *Volpone*.

ANSWER: Ben Jonson

(10) In response to Thomas Shadwell's claim that he was the literary heir of Ben Jonson, John Dryden wrote this mock heroic poem that cast him as the "son" of a shitty contemporary poet.

ANSWER: "MacFlecknoe"

(10) This brother-in-law of Coleridge parodied Byron in his "A Vision of Judgment," to which Byron responded the next year with the similarly titled *The Vision of Judgment*.

ANSWER: Robert Southey

17. Name these things about a figure in the Bible, FTP each:

(10) This pious and beautiful widow is an Israelite woman who gives her name to the fourth book of the Old Testament Apocrypha. Through her ingenuity, her people are able to defeat the forces of Nebuchadnezzar II.

ANSWER: Judith

(10) Judith gets this Assyrian general drunk and then beheads him in his sleep. The scene was popularly depicted by numerous Renaissance artists.

ANSWER: Holofernes

(10) Holofernes had laid siege to this home city of Judith. Upon receiving the head of Holofernes its townspeople placed the head outside the city wall to scare away the Assyrian soldiers.

ANSWER: Bethulia

18. It was spearheaded by Ferdinand and Isabella and sought to unify Spain into a completely Catholic country.

FTPE:

(10) This movement that sought to destroy the last vestiges of Moorish control in Spain.

ANSWER: Reconquista or reconquest

(10) The *Reconquista* was complete with the end of the six-month siege of this final Muslim stronghold, home of the Alhambra.

ANSWER: Granada

(10) The Moors were led by this king, who is better remembered by the name the Spanish gave to him.

ANSWER: Boabdil (Spanish name) or Muhammad XI (or Abu Abdullah)

19. Name these things about sugars, FTP each:

(10) Using this man's projections one can distinguish the formulas of the 16 stereoisomeric glucoses.

ANSWER: Emil Fischer

(10) Fischer used the letters D and L to identify the two series of sugars that were mirror images of each other. For 5 points each, tell what D and L stand for.

ANSWER: dextrorotatory and levorotatory

(10) This disaccharide is similar in many respects to sucrose but is much less widely distributed. It is composed of two molecules of alpha-D-glucose and is found in the circulating fluid of many insects.

ANSWER: trehalose

20. Name the American psychologists, who wrote these works, FTP each:

(10) *Beyond Freedom and Dignity*, *Walden Two*

ANSWER: B(urrrhus) F(rederic) Skinner

(10) *Farther Reaches of Human Nature*, *Toward a Psychology of Being*

ANSWER: Abraham Maslow

(10) *The Intelligence of School Children*, *Genetic Studies of Genius*

ANSWER: Lewis Madison Terman