

## Round 8

Questions by Amar Hatti, Ray Luo, Seth Teitler

1. The narrator's eight year old daughter takes off her bathing-suit at the beach, causing an uproar, but the family does not leave Torre di Venere. One of the title characters works as a waiter in the café Esquisito. The other title character has performed for the brother of the Duce; in his show he sits on a man balanced between two chairs, and mesmerizes the waiter so that the waiter kisses him. Humiliated, the waiter shoots Cippola in, FTP, what story by Thomas Mann?

Ans: Mario and the Magician or Mario und der Zauberer

2. Classically, radiation in a cavity must take the form of standing waves with nodes at the surfaces. Count the number of standing waves in the frequency interval, and apply the equipartition theorem to calculate the average total energy of the waves when the system is in thermal equilibrium. The resulting energy density goes to infinity as frequency is increased, resulting in the ultraviolet catastrophe. FTP name this classical formulation of blackbody radiation named after two physicists.

Ans: Rayleigh-Jeans formulation or formula

3. It has caused more and bloodier wars than anything else in the history of creation. Some thinkers see it as a final and clinching proof of the nonexistence of God, and it was the central theme in Well That About Wraps It Up for God, the best-seller by Oolon Colluphid. It absorbs unconscious mental frequencies and excretes a telepathic matrix, and works best if you stick it in your ear. FTP name this fish that allows its carrier to understand any language.

Ans: Babel fish

4. This year saw a Venetian fleet threaten Constantinople, and the completion of the Taj Mahal. Cossack warriors revolted against the king of Poland-Lithuania, initiating the Deluge. The following year Tsar Alexei convoked the Zemskii Sobor to enact a sweeping law code, and the Rump Parliament ordered the execution of Charles I. Mazarin arrested the leaders of the Parlement of Paris, leading to the Fronde. FTP, this describes what year, which also saw the end of the Thirty Years' War?

Ans: 1648

5. The dénouement is unusual, with the actors departing one by one, till only the faithful Éliante and Philinte are left. The title character finally decides to "flee from this dunghill home of every vice" after hearing that Célimène has referred to him in a letter as "the man with the green ribbons...[who] sometimes amuses me with his bluntness and his sour humours." FTP, name this Moliere play in which Alceste becomes disgusted with society.

Ans: The Misanthrope

6. Members of the existential branch sometimes associated with this 20th century movement include Tom Szasz and Ludwig Binswanger. Its manifesto, prepared by Charlotte Buhler and James Bugenthal, declared it a third force which was expected to supplant Skinnerian behaviorism and Freudian psychoanalysis. The peak experience and self-actualization are key concepts in, FTP, what movement whose exponents include Carl Rogers and Abraham Maslow?

Ans: humanistic psychology

7. His Norse parallel is Aegir, who is also known by another name that is more cognate with his own. In one mythology, his position is taken over by Bof, but in another, he remains the leader of the family that opposes the children of Don, or the powers of light. His own children, the powers of darkness, are Manawydan, Bran, and Branwen. FTP, name either the Welsh or Irish god of the sea, whose own name is similar to Aegir's other name, Hler.

Ans: Llyr or Lir

8. Hard skeletons evolved at the end of this period, indicating intense predation. Continental drift produced several continental masses, the largest of which was Gondwana. Fossils in the Burgess Shale show that most animal phyla with existing species evolved. Lasting from 540 to 500 million years ago, FTP name this first period of the Paleozoic era, which saw an explosion of new lifeforms.

Ans: Cambrian

9. The bridge at Courbevoie and the smoking factory chimneys of the title Paris suburb can be seen in the background. The isle of the Grande Jatte can be seen on the right, across from a collection of men and boys lounging on grass. The painting shows the developing divisionism technique of the artist. Two boys wade into the Seine; the one on the right raises his hands to his mouth. FTP, name this Seurat painting.

Ans: Bathers at Asnières or Bathing at Asnières or Une Baignade, Asnières

10. This 1954 winner of the Shinchosha Literary Prize is an adaptation of the story of Daphnis and Chloe. Set on the island of Uta Jima, modeled on Kamishima, the main character falls in love with Terukichi Miyata's daughter, who beats the main character's mother in an abalone-diving competition. After the main character saves one of Terukichi's ships during a typhoon, Terukichi gives him his daughter in marriage. Focusing on the love of Hatsue and Shinji, FTP name this Mishima novel.

Ans: The Sound of Waves or Shiosai

11. The son of Italian immigrants, he was commissioned as second lieutenant and fought in Vietnam. After overseeing relief operation in Somalia as director of Operations for the Unified Task Force, Somalia, he was tapped in retirement by President Bush to broker peace in the volatile arena in which he had served as chief of the U.S. Central Command. FTP, name this former Marine general, the American special envoy to the Middle East.

Ans: Anthony Zinni

12. According to Plutarch, they began with the List of Eighty. On the fourth day the man who instituted them made a speech defending them, saying "So far we've posted the names of all the enemies of the state that I can remember. As more enemies occur to me, we'll post more names." They halted on June 1, 81 BCE. FTP, name these publicly displayed lists of names of people who could be killed with impunity because they were considered Sulla's enemies.

Ans: **Sulla's proscriptions**

13. During WWI, he worked on locating cannons from sound travel-times; during WWII he used microseisms to predict hurricanes. He developed the magnitude-frequency relation for earthquake distributions, created the magnitude scale for distant earthquakes with Richter, and inferred a low-velocity zone in the upper mantle. Studies of the P-wave shadow zone led him to propose a radius of 2900 km and a sharp boundary for the Earth's core. FTP name this German-born geophysicist whose discontinuity is the core-mantle boundary.

Ans: **Beno Gutenberg**

14. Apartment compounds with pyramidal constructions were arranged on both sides of the Avenue of the Dead, which began at the Moon Plaza in the north and extended beyond the Ciudadela to the south. Talud-tablero facades are characteristic features of the architectural style here, and can be seen on the Feathered Serpent Pyramid. FTP, name this ancient religious center in the Mexican highland, home to the Pyramids of the Moon and the Sun.

Ans: **Teotihuacan**

15. There are two versions: the Dresden and the Paris. The Pope's staff is shown blossoming at the end. In the first act the title character calls on the Virgin Mary, causing the Venusberg to vanish. Famous sections include the first act overture, and Wolfram von Eschenbach's "O du mein holder Abendstern". The title character's heart is divided between Venus and Elisabeth. FTP, name this Wagner opera about a minstrel called Heinrich von Ofterdingen.

Ans: **Tannhäuser and the Contest of Song on the Wartburg or Tannhäuser und der Sängerkrieg auf Wartburg**

16. The titular carpenter thinks of his beloved's blue-shadowed silk. Published in the collection Harmonium, the title character tells how "Susanna's music touched the bawdy strings/ Of those white elders; but, escaping,/ Left only Death's ironic scraping." FTP, the leader of the rude mechanicals in A Midsummer Night's Dream is the title character of what Wallace Stevens poem?

Ans: **Peter Quince at the Clavier**

17. Its opening chapter is a sort of manifesto for close-up, ethnographic work, with the aim of understanding "the native's vision of his world." It discusses evidence discrediting the universality of the Oedipus Complex, as well as the annual Kula Ring Exchange. Subtitled An Account of Native Enterprise and Adventure in the Archipelagoes of

Melanesian New Guinea, FTP name this first book on the Trobriand Islanders by Malinowski.

Ans: Argonauts of the Western Pacific

18. The increasing boiling point of simple hydrocarbons and noble gases can be understood in terms of these interactions, which are always present. They are thousands of times weaker than covalent bonds and are very short-range, existing between short-lived temporary induced dipoles. They are the only forces present for non-polar molecules. Named for a German physicist, FTP name these dispersion forces.

Ans: London dispersion forces (prompt on van der Waals forces before "covalent bonds")

19. Intense fighting in Khesahn drew troops away from large population centers. Attacks on Banmethout, Kontum and Pleiku were followed by simultaneous invasions of 13 of the 16 provincial capitals of the Mekong Delta. Launched the night of January 31st, 1968, it was planned and led by General Giap. FTP, name this Vietcong campaign which broke a temporary truce for lunar new year celebrations and marked a turning point in the Vietnam War.

Ans: Tet offensive

20. The main character escapes having to copulate with a condemned woman as part of a public spectacle in an arena. At the end of the tale, he is appointed to the College of Pastophori, and the Lord Osiris tells him he will be one of the foremost lawyers of Rome. He's initiated into the mysteries of Isis after he eats rose petals, curing his enchantment. Containing the story of Cupid and Psyche, FTP name this work focusing on the transformed nobleman Lucius, written by Apuleius.

Ans: The Golden Ass or Metamorphoses

21. He said "The people are of the highest importance; the gods come second; the sovereign is of lesser weight," and developed a very early form of the social contract. He added the concept of i, righteousness or duty, to the basic doctrine of jen. He used the example of a baby about to fall into a well to illustrate his belief in the basic goodness of man. Known as "The Second Sage," FTP name this Confucian philosopher.

Ans: Mencius or Meng-zi or Meng-tse or Meng Tzu

22. Jane has sex with an idiot in an elephant suit in a dressing room. Peter Donahue calls off his wedding and the woman he was going to marry goes off to Bali to scuba dive. Courtney causes a motorcycle accident by pretending that Christina is giving her oral sex. Courtney, played by Christina Applegate, admits that she's tired of the game, and Christina, played by Cameron Diaz, finally finds true love with Peter in, FTP, what spring 2002 movie?

Ans: The Sweetest Thing

23. Many of the decisive votes cast against it were due to personal antagonism towards Albert Gallatin, and opponents charged that it had fallen under the domination of foreigners. In the Senate, Vice-President George Clinton broke a 17-17 tie, voting against

it, while the House postponed consideration of the bill for renewal of its charter by a vote of 65 to 64. Closely based on a report by Alexander Hamilton, FTP name this financial institution that lasted from 1791 to 1811.

Ans: **First Bank of the United States** (accept rechartering of the First BUS on early buzz)

24. The missing section would hopefully have confirmed or dispelled the Malfosse incident. It was probably commissioned by Bishop Odo in Canterbury rather than being the creation of Queen Matilda. It includes private scenes such as the death of Edward the Confessor, and Harold swearing over holy relics. Made of eight separate pieces of linen, it is 70 meters long and half a meter wide. FTP name this embroidery commemorating the Battle of Hastings.

Ans: **Bayeux Tapestry**

25. The Navy turned him down for being flat-footed, though a reenactment of his story was the basis for a recruitment documentary. He made fishhooks from nails and a flashlight spring and cut fish open with a tin can. He ended up at the mouth of the Amazon River after a U-boat sunk his ship in 1942. FTP, name this man who drifted in the South Atlantic for 133 days, the holder of the world's record as a sea survivor on a life raft.

Ans: **Poon Lim** (either name acceptable)



Bonii

1. Identify the following people F15PE.

15) After killing Iphitus, Heracles was sold as a slave to this Lydian queen. In some stories she forced Heracles to wear women's clothes and do women's labor.

Ans: **Omphale**

15) This composer wrote Le Rouet d'Omphale, or Omphale's Spinning-Wheel.

Ans: **Camille Saint-Saëns**

2. Identify the following Stephen Crane short stories, FTPE.

10) During a blizzard in Fort Romper, an Easterner, a cowboy, and a Swede stay at the garishly painted title establishment. The Swede is later killed in a bar.

Ans: **The Blue Hotel**

10) The oiler eventually drowns, but the captain, the cook, and the correspondent are saved after surviving a shipwreck.

Ans: **The Open Boat**

10) Dr. Trescott saves Henry Johnson after Henry's face is burned off when he helps save Jimmie Trescott from a fire. The townspeople treat Henry with disgust and horror.

Ans: **The Monster**

3. Identify the following battles from around the time of Alexander the Great, FTPE.

10) In this 338 BCE battle, Phillip II of Macedon defeated an allied Athenian-Theban army, effectively gaining control over all Greece except Sparta.

Ans: **Chaeronea**

10) This 326 BCE battle was the last of Alexander's major battles. His opponent was the Indian king Porus.

Ans: **Hydaspes**

10) In this 301 BCE battle, a coalition defeated and killed Antigonus the One-Eyed, who was working to reunify Alexander's empire.

Ans: **Ipsus**

4. Identify the following biological hypotheses or models FFPE and a 5 point bonus for all correct.

5) As a substrate enters an active site it causes the enzyme to change its shape slightly to produce a better fit with the substrate.

Ans: **induced fit hypothesis** or **model**

5) A cell membrane consists of individually inserted proteins drifting laterally in a bilayer of phospholipids.

Ans: **fluid mosaic hypothesis** or **model**

5) Evolutions occur in spurts of relatively rapid change followed by long periods of stasis.

Ans: **punctuated equilibrium hypothesis** or **model**

5) Focusing on the origin of mitochondria and chloroplasts, it claims that the forerunners of eukaryotic cells were symbiotic consortiums of prokaryotic cells.

Ans: **endosymbiont** or **endosymbiotic hypothesis** or **model**

5) Conditions on the primitive Earth favored synthesis of organic compounds from available inorganic precursors. It inspired the Miller-Urey experiment.

Ans: Oparin-Haldane (accept either name or both names) **hypothesis** or **model**

5. Identify the artist or group responsible for the original versions of the following songs FFPE and a 5 point bonus for all correct.

5) Baby Got Back

Ans: Sir Mix-A-Lot ✓

5) Big Bottom

Ans: Spinal Tap

5) Big Booty Hoes

Ans: Notorious B.I.G. featuring Too Short

5) Fat Bottom Girls

Ans: Queen ✓

5) Big Ole Butt

Ans: LL Cool J

6. Identify the following Ibsen plays given a religious figure from the play for 15 points, or for 10 if you need more characters.

15) Pastor Manders

10) Oswald, Mrs. Alving

Ans: Ghosts

15) Molvik

10) Gregers Werle, Hjalmar Ekdal

Ans: The Wild Duck

7. Identify the following Russian composers from works FTPE.

10) Lieutenant Kijé suite, The Love for Three Oranges, War and Peace

Ans: Sergei Prokofiev

10) Kamarinskaya, A Life for the Czar, Ruslan and Ludmilla

Ans: Mikhail Ivanovich Glinka

10) Symphony no. 2 in B Minor, In the Steppes of Central Asia, Prince Igor

Ans: Alexander Porfirievich Borodin

8. Identify these characters from mythology with similar origins FTPE.

10) According to one myth, Zeus, Hermes and Poseidon urinated on the hide of a cow and buried it. Nine months later this giant hunter and later lover of Artemis was born.

Ans: Orion

10) This brother-husband of Tefnut was either created by Re from his semen or by Atum, either from his semen or the mucus of his nostrils.

Ans: Shu

10) This wisest man in Norse myth was created when the Aesir and Vanir spat into a jar to seal a peace treaty. His blood was later used to make the mead of poetry.

Ans: Kvasir

9. Give the moments of inertia of the following objects, FTPE.

10) A uniform sphere of mass  $M$  and radius  $R$  about an axis through the center.

Ans:  $\frac{2}{5} M R^2$

10) A uniform thin stick of mass  $M$ , length  $L$ , about an axis through the midpoint and perpendicular to the stick.

Ans:  $\frac{1}{12} M L^2$

10) A particle of mass  $M$ , about an axis at a distance of  $R$ .

Ans:  $M R^2$

10. Identify the following associated with the wars for Latin American independence, FTPE.

10) Shortly after leading an army across the Andes, he won the battle of Chacabuco. The liberator of Argentina, he declined the rule of Chile in favor of O'Higgins.

Ans: **José de San Martín**

10) Fought in 1824 just outside the village of Quinua, this decisive battle for Peru's independence saw Viceroy de la Serna's forces defeated by the Republicans under Sucre.

Ans: **Avacucho**

10) This Catholic priest's cry of "Mexicanos, viva México," known as the Grito de Dolores, was a catalyst for the bloody struggle for Mexican independence.

Ans: **Father Miguel Hidalgo y Costilla**

11. Identify the following American intellectuals FTPE.

10) She promoted an intellectual ideal of womanhood in her work *The Feminine Mystique*.

Ans: **Betty Friedan**

10) *I'll Take My Stand: The South and the Agrarian Tradition* was edited by this Nashville Agrarian, who contributed the article *Reconstructed but Unregenerate*. He was a scholar in the New Criticism movement.

Ans: **John Crowe Ransom**

10) His books include *The Sociological Imagination*, *White Collar*, and *The Power Elite*.

Ans: **Charles Wright Mills**

12. Identify the following American novels from first lines, F15PE, 5 if you need the author.

15) Boys are playing basketball around a telephone pole with a blackboard bolted to it.

5) John Updike

Ans: **Rabbit, Run**

15) It was the summer they executed the Rosenbergs.

5) Sylvia Plath

Ans: **The Bell Jar**

13. Identify these examples of Greek architecture associated with Pheidias FTPE.

10) Designed by Chersiphron, it boasted bronze statues by Pheidias, Polycleitus, Kresilas, and Phradmon. Herostratus burned this wonder of the ancient world to the ground.

Ans: **Temple of Artemis at Ephesus**

10) The architects of this monument on the Acropolis were Iktinos and Kallikrates. Pheidias supervised the work and made the chryselephantine cult statue of Athena.



Ans: **Parthenon**

10) This simple Doric-style temple was designed by the architect Libon. Pheidias sculpted a massive statue of the temple's god which was a wonder of the ancient world.

Ans: **Temple of Zeus at Olympus**

14. Identify the following from plate tectonics FTSNOP.

5) In 1928 Arthur Holmes proposed that the driving force of continental drift is this simple heat transfer process taking place in the mantle.

Ans: **convection**

15) Together with Robert Dietz, this professor at Princeton University suggested that new seafloor forms at mid-ocean ridges, leading to the theory of seafloor spreading.

Ans: **Harry Hammond Hess**

10) Seafloor spreading at mid-ocean ridges is an example of this type of plate boundary, which typically produces normal faulting.

Ans: **divergent**

15. Identify these men who served in Congress in the early 1900's, FTPE.

10) This Kentucky Democrat became majority leader in the Senate in 1937, guiding much of the New Deal legislation through the Senate. He was Truman's vice-president in 1949.

Ans: **Alben William Barkley**

10) He served as governor of Wisconsin from 1900 to 1906, then served three terms in the Senate. In 1924 he ran for President on the Progressive Party ticket.

Ans: **Robert "Fighting Bob" Marion LaFollette**

10) The chief prosecutor in the Haywood trial, he was elected to the Senate from Idaho in 1907. He introduced bills to outlaw war and was instrumental in the passage of the Kellogg-Briand Pact.

Ans: **William Edgar Borah**

16. Identify the following about a syncretistic Caribbean religion, FTPE.

10) Meaning "Way of the Saints," this religion combines beliefs of the Yoruba and Bantu people with elements of Roman Catholicism.

Ans: **Santeria**

10) He is the supreme deity and creator of the universe in Santeria.

Ans: **Olorun** or **Olódùmarè**

10) These are the lesser guardians, associated with Christian saints. Examples include Elegba and Oggzn.

Ans: **Orisha**

17. Identify the following African novelists from works FTPE.

10) *Weep Not, Child; A Grain of Wheat*

Ans: **James Ngugi** or **Ngugi wa Thiong'o**

10) *The Children of Violence series; The Golden Notebook*

Ans: **Doris May Lessing**

10) *Ah But Your Land Is Beautiful; Cry, the Beloved Country*

Ans: **Alan Stewart Paton**

18. Name the following types of organic compounds FTPE. In each case, R and R' represent alkyl groups.

10) They have an oxygen singly bound to two carbon atoms in the middle of a carbon chain. They have formula ROR'.

Ans: ethers

10) They have a carbonyl group, an oxygen double-bonded to one carbon atom in the middle of a carbon chain. They have formula RCOR'.

Ans: ketones

10) They have two oxygen atoms in the middle of a carbon chain; one is double-bonded to one carbon atom, and the other is singly bound to that carbon and one other. They have formula RCOOR'.

Ans: esters

19. Identify the following characters from the comic strip Cathy, FTPE.

10) This good friend and work colleague works as Mr. Pinkley's secretary

Ans: Charlene

10) Cathy's puppy

Ans: Electra

10) Cathy's overachieving friend, the mother of Zenith and Gus

Ans: Andrea

20. Given a World Cup team, identify its starting goalkeeper in its last game FTPE.

10) USA

Ans: Brad Friedel

10) England

Ans: David Seaman

10) Germany

Ans: Oliver Kahn

21. Identify the following Spanish-language poets from works FTPE.

10) Twenty Love Poems and a Song of Despair

Ans: Pablo Neruda or Ricardo Neftalí Reyes y Basoalto

10) Luna Silvestre, Sun Stone, The Labyrinth of Solitude

Ans: Octavio Paz

10) Lament for the Death of a Bullfighter, Poet in New York, Gypsy Ballads

Ans: Federico García Lorca

22. Identify the following about Bismarck and diplomacy, FTSNOP.

5;15) In 1873 Bismarck forged the Three Emperors' League with two imperial powers. Name them, 5 for one, 15 for both.

Ans: Russia, Austria-Hungary

10) This 1871 meeting of the Great Powers of Europe was convened in response to the Russian victory in the Russo-Turkish War.

Ans: Congress of Berlin

5) After the Congress of Berlin, Austria-Hungary formed the Dual Alliance with Germany, which became the Triple Alliance when this nation joined the partnership.

Ans: Italy

23. The land of Oz is roughly divided into quarters with the Emerald City at the center. One of these quarters is Munchkin Country. FTPE name the other three.

Ans: Gillikin Country, Winkie Country, Quadling Country

24. FFPE, name the stars in the Winter Triangle and the stars in the Summer Triangle. The stars lie in the constellations Orion, Canis Minor, Canis Major, Lyra, Cygnus, and Aquila.

Ans: Betelgeuse, Procyon, Sirius, Vega, Deneb, Altair

25. Identify the Pacific island political grouping from names of islands or smaller grouping, FTPE.

10) Onotoa, Nikunau, Makin, Tarawa.

Ans: Kiribas or Kiribati

10) Bikar, Enwetak, Kwajalein, Majuro.

Ans: the Marshall Islands

10) Kosrae, Pohnpei, Chuuk, Yap

Ans: The Federated States of Micronesia (prompt on Caroline Islands)