

2000 Terrapin Invitational Tournament - Division 1
Playoff #1 - Round 12
Questions by Subash Maddipoti

Toss-Ups

1. He has a tentative plan to rob a delicatessen owner named Mr. Blum and later writes a ransom note signed "Red." In his indecision he attempts to frame Jan Erlone for the crime that he committed, a crime that leads him to rape and murder his girlfriend, Bessie. His trouble begins after gaining employment as a chauffeur for the Daltons, whose daughter Mary he accidentally smothers to death. FTP, identify this protagonist of Richard Wright's *Native Son*.

Answer: Bigger Thomas (prompt on "Native Son" before it is mentioned)

2. This condition is tolerated much better in the plant kingdom with the best examples occurring in tobacco and the evening primrose *Oenothera*. An example of it can occur in *Drosophila* for chromosome 4 and is termed Haplo-IV. Its partial type is epitomized by cri-du-chat syndrome and can also be referred to as a segmented deletion. FTP, identify this condition in which only one member of a chromosome pair exists.

Ans: monosomy

3. After becoming a brigadier general, he was severely wounded at Frayser's Farm but recovered in time to ably lead his brigade at Second Bull Run. He would later be assigned command of the V Corps, successfully leading them at Chancellorsville, which led to his replacement of Joseph Hooker. FTP, identify this man who, upon becoming commander of the Army of the Potomac in June 1863, went on to lead the Union troops to victory at Gettysburg.

Ans: George Gordon Meade

4. This work is scored for an orchestra without the usual brass section and with an augmented woodwind complement. The opening instrument solo undermines the underlying E major tonality with its emphasis on the C sharp – G tritone, and the four horns represent the titular animal as does the solo flute that appears at the end of this 1894 concerto. Based on a poem of the same name by Stephane Mallarme (MAL-ar-may), FTP, identify this orchestral work by Claude Debussy.

Ans: Prelude to the Afternoon of a Faun or Prélude à l'après-midi d'un faune

5. One of this novel's characters broke the story of "Pategate" about a hair implant for the president, while another character unknowingly witnessed the Lakeland rapist in action. The central dilemma revolves around the publication in *The Judge* of three photographs of the foreign secretary Julian Garmony in drag. FTP, identify this Booker Prize-winning novel, featuring Vernon Halliday and Clive Linley, by Ian McEwan, in which the action takes place in the titular European city.

Ans: Amsterdam

6. In 1996 construction of the world's largest detector, AMANDA, for this type of particle began at the South Pole. A tau variety of it exists and its muon variety is produced during pion decay, and they were finally detected in 1956 by Cowan and Reines. Since they react with matter only through the weak interaction, they are the most penetrating of all particles, often passing right through the Earth. FTP, identify these particles hypothesized by Pauli and named by Fermi, leptons with no electrical charge.

Ans: neutrinos

7. After they burned Pavia, Rudolph of Italy and Hugh of Arles drove them into France, where they reached Burgundy before being repulsed by King Raoul of France. They had begun a westward migration after Emperor Leo VI prompted them to attack the Bulgar Khanate, and their raiding would finally end with defeat at Lechfeld in 955 by Otto the Great. FTP, identify this dominant linguistic and ethnic group in Hungary.

Ans: Magyars

8. In its first book, "Of Man," the universe is depicted as a plenum constituted solely of matter. Book III includes frequent condemnations of atheists as well as spirits and visions of saints, which are labeled "idols of the brain". It argues that civil peace is best achieved via a commonwealth ruled by a sovereign and

established through social contract. Taking its name from the Hebrew for “sea monster,” FTP, name this famous work by Thomas Hobbes.

Ans: *Leviathan*

9. This artist traveled to England for a few months to study the works of R.P. Bonington, and Camille Corot painted an *Homage* to this painter of *Ovid Among the Scythians*. His tour of North Africa inspired such paintings as *Arabs Skirmishing in the Mountains* and *Women of Algiers*, and his literary interest led to *Dante and Virgil in Hell* and the Byron-inspired *The Massacre at Chios*. FTP, name this French Romantic and painter of *The Death of Sardanapalus* and *Liberty Leading the People*.

Ans: Eugene Delacroix

10. In Book III, under the guidance of Elkanah Settle, the king sees visions of the past and future triumphs through the Elysian shades. The “New” version of this work, with the fourth and final book, was published fourteen years after the original. The original had been targeted at Lewis Theobald, but in the final version, the empire of Dulness was ruled by the new target of ridicule, Colley Cibber. FTP, name this satirical work by Alexander Pope.

Ans: *The Dunciad*

11. It began on the morning of October 7 when lookouts at Kara Kosh signaled that the enemy was approaching. The losers would return the next year to fight at Modon and Cape Matapan, but their campaign stalled after this defeat. It was off of the coast of Corfu that Muhammad Saulak, Ali Pasha, and their forces were completely decimated by Holy League forces under Don John of Austria. FTP, identify this 1571 naval defeat of the Ottoman Empire.

Ans: Battle of Lepanto

12. The inheritance of this disease was first demonstrated by Neel and Beet in 1949, and pedigree analysis revealed three genotypes and phenotypes controlled by a single pair of alleles, A and S. It arises from an incorrect valine-glutamic acid substitution in the affected compound, which was diagnosed after Linus Pauling and his colleagues showed changes in gel electrophoresis migration in two different hemoglobins. FTP, name this disease associated with unnaturally shaped red blood cells.

Ans: sickle-cell anemia

13. When his greatest enemy commented, “We all get our jollies one way or another,” he responded, “Mine has always been killing.” He owned the island of Phang-Na, from which he planned to use the Solex Agitator to monopolize the world’s solar power. He was originally to have been played by Jack Palance, though Christopher Lee, Ian Fleming’s cousin, got the role. FTP, name this assassin-for-hire who hunted James Bond as *The Man With The Golden Gun*.

Ans: Francisco Scaramanga (accept early “The Man With The Golden Gun”)

14. The name’s the same. One was a sea nymph, the daughter of Oceanus and Tethys and mother of Thaumus of Iris. Another was the mother of Dardanus, founder of Troy, and was a daughter of Atlas and Pleoine; thus she was one of the Pleiades, the so-called lost Pleiad. Another was not upset about the murder of her sister Iphigenia, but she did seek revenge on Aegisthus and her mother for the murder of her father. FTP, identify this vindictive daughter of Agamemnon and Clytemnestra and sister of Orestes.

Ans: Electra

15. In Part II of this work such figures as “the learned Jew, Josephus, and the Platonic Constantinopolitan, Michael Psellus” are introduced. In the poem’s final three books the title character begs the Hermit to absolve him of his sin, and states that he who loves all God’s creatures leads a happier, better life. FTP, name this poem in which the title character tells a story to three men on their way to a wedding and admits to killing an Albatross, a famous poem by Coleridge.

Ans: *Rime of the Ancient Mariner*

16. Signed by 577 men present, there was only one abstainer, Martin Dauch as support was galvanized by Mounier. Those present had been designated to meet at the locked hall, Menus Plaisirs [MAY-nooh PLAY-seer], so they were forced to discuss proposed reforms by then prime minister, Jacques Necker, in the namesake venue. FTP, name this event of June 20, 1789 during which the National Assembly swore not to disband until a new constitution was drawn up.

Ans: Tennis Court Oath

17. Current research with this substance involves modification of it by using dextransucrase to help in the treatment of burn patients. One of the main derivatives of this natural polymer is currently used to bind to negatively charged lipids and fats in the stomach to help in weight loss, and it consists of units of N-acetyl-D-glucosamine that are joined to form a long, unbranched chain. FTP, name this polysaccharide, analogous in structure to cellulose, found as the main constituent of the shells of arthropods.

Ans: chitin

18. All of his works revolve around the question of the nature of being, and he believed that man is the only being capable of understanding his existence. However, man forfeits this understanding by allowing himself to become distracted, or so he says in his most famous work published in 1927. FTP, name this German philosopher whose work has undergone a reevaluation in the light of questions about his position toward the Nazi regime, the author of *Being and Time*.

Ans: Martin Heidegger [MD House]

19. Stewart Potter dissented by arguing that the Court had been hypocritical when considering the opening of its daily sessions. In his majority opinion Justice Black referred to two English Acts of Parliament in 1548 and 1549 and explained why a certain state had violated the Establishment Clause of the Constitution. FTP, name this 1962 Supreme Court case in which prayer in public schools was ruled unconstitutional.

Ans: *Engel v. Vitale*

20. Late in his life he returned to his hometown of Bilbilis with the help of Pliny the Younger, who financed his passage. His series of thirty-three short poems, the *Book of Spectacles*, was written to commemorate the opening of the Colosseum in 80 AD. However, his most important publication was a twelve-book work containing a set of short, snappy, and biting verses. FTP, name this Roman writer best known for his *Epigrams*, a man named for being born in the third month.

Ans: Marcus Valerius Martialis

21. Both the plains of Maghnia and Constantine separate parts of this country's greatest mountain range in the north, though Mt. Tahat, its highest point, lies in the Ahaggar Mountains in the south. On either side of the country's northern part are the Great Western and Eastern Egg deserts. The Mediterranean port city of Oran, like its capital, is situated amongst the Tell Atlas range. FTP, name this African country, bounded to the east by Libya and Tunisia and to the west by Morocco.

Ans: Algeria

Bonuses

1. Identify these political measures taken by Napoleon Bonaparte FTPE.

a. This agreement between Napoleon and Pope Pius VII reestablished the Roman Catholic Church in France. To implement it Napoleon issued the so-called Organic Articles the next year.

Ans: Concordat of 1801

b. Signed in Prussia following French victory at Friedland, this July 1807 treaty ended the war between France and Russia.

Ans: Treaty of Tilsit

c. In November 1806 Napoleon introduced this system through the Berlin Decrees. It called for the closing of all European ports to British vessels and declared all British ports to be in a state of blockade, in an attempt to counter Britain's control of the sea.

Ans: Continental System

2. Answer the following about the poetry of William Butler Yeats FTPE.

a. The speaker of this poem says about the country he left: it is "no country for old men." There, "all summer long" the world rings with the "sensual music" that makes the young neglect the old.

Ans: Sailing to Byzantium

B. "Sailing to Byzantium" is just one of the poems included in this one great poetry collection of Yeats' that was published in 1928.

Ans: The Tower

c. There are "nine-and-fifty" of the title characters in this poem. Their hearts, the speaker says, "have not grown cold," and wherever they go they are attended by "passion or conquest."

Ans: The Wild Swans at Coole

3. Identify the following scientists associated with comets FSNP.

15. According to the ice-conglomerate theory proposed by this astronomer in 1949, the comet nucleus consists of ice and other frozen gases with particles of heavier substances interspersed throughout, thus being in effect a large, dirty snowball.

Ans: F.L. Whipple

10. This astronomer posited the storage-cloud hypothesis, which states that a shell of more than 100 billion comets surrounds the solar system at a distance of as much as 150,000 times the distance from the earth to the sun.

Ans: J.H. Oort

5. Large comets were regarded as atmospheric occurrences until this 16th century Danish astronomer proved that they were astronomical. He's better known as Kepler's teacher and for dying when his bladder exploded.

Ans: Tycho Brahe

4. Identify these American composers FTP each.

a. This early 20th century composer's works include the opera *Pipe of Desire* and the orchestral works *Flivver Ten Million* and *American Sketches*.

Ans: Frederick Converse

b. This American's two most famous works are his *Concord Sonata* and *Three Places in New England*.

Ans: Charles Ives

c. This American's works include the ballet *Filling Station*, but he's better known for his collaborations with Gertrude Stein on *Four Saints in Three Acts*.

Ans: Virgil Thomson

5. Identify these 20th century British Prime Ministers FTP each.

a. This prime minister from 1937 to 1940 is best remembered for somewhat incorrectly saying "peace in our time" following the Munich Agreement.

Ans: Neville Chamberlain

b. After serving as Chancellor of the Exchequer under Sir Henry Campbell-Bannerman, this man ascended to the prime ministership in 1908. His government was toppled following the Easter Rising.

Ans: Herbert Asquith

c. This man, actually born in Canada, agreed to become Prime Minister following David Lloyd George's removal from office in October 1922. He was forced to resign the next year due to poor health and died within a couple of months.

Ans: Andrew Bonar Law

6. Identify these characters from Shakespeare's *Julius Caesar* FSNP.

5,15. Five for one and 15 for both: the play opens with two patricians scolding a gathered crowd for celebrating Caesar's victory over Pompey. We are later told that they will be put to death for defacing images of Caesar.

Ans: Flavius and Marcullus

5. FFP, the end of Scene I in Act II gives us the first appearance of this wife of Brutus, who also shares a name with a character from *The Merchant of Venice*.

Ans: Portia

10. FTP, Scene III in Act III sees the murder of this poet, who is killed by four plebeians in a case of mistaken identity.

Ans: Cinna

7. Identify these terms related to the naming of organic compounds FSNP.

10. FTP, the accepted rules of nomenclature are now established by this scientific body founded in 1919.

Ans: IUPAC or International Union of Pure and Applied Chemistry

5,5. FFPE, in alkene-naming these two stereochemical prefixes are used to differentiate whether substances are on the same or opposite sides of a double bond.

Ans: cis and trans

10. FTP, another way of differentiating between stereoisomers utilizes the letters E and Z. Give the German representation for what either of these letters stands for.

Ans: entgegen or zusammen

8. Identify these fictional countries introduced in movies FTP each.

a. According to Dr. Evil, this is a small breakaway Soviet republic from which he plans to hijack some nuclear warheads.

Ans: Kreplakistan (from *Austin Powers: International Man of Mystery*)

b. Akeem is the prince of this country ruled by King Jaffe Joffer.

Ans: Zamunda (from *Coming to America*)

C. The ultimate aim of President Skroob and Dark Helmet is to suck the air out of this planet ruled by King Roland.

Ans: Druidia (from *Spaceballs*)

9. Identify these avatars of Vishnu FTP each.

a. Like most of the avatars this one is depicted as being blue-skinned. With the help of his brother Lakshmana [LUKSH munn aah] and the monkey Hanuman he recovers his wife Sita, who had been kidnapped by the demon king Ravana.

Ans: Rama

b. This avatar is named for the mythical axe he receives from Shiva. He kills 27 generations of kshatriyas [SHUT ree yaas] as revenge for the murder of his parents.

Ans: Parashurama

C. Vishnu took this form to kill the evil king Kamsa. This brother of Balarama is often depicted as a mischievous child eating from a jar of ghee, or butter.

Ans: Krishna

10. Identify these early American colonial governors FSNP.

5. FFP, this author of *History of Plymouth Plantation* organized the first Thanksgiving celebration in 1621 and served as first governor of the Plymouth colony.

Ans: William Bradford

b. FTP, this man twice served as governor of Virginia, from 1641 to 1649 and again from 1660 to 1677. His oppressive policies led to Bacon's Rebellion.

Ans: William Berkeley

c. F15P, in 1621 this man arrived in Virginia and became the new governor. He brought fresh regulations for a council of state and reorganized the House of Burgesses, which had begun to meet two years earlier, but he was succeeded by Berkeley in 1641.

Answer: Francis Wyatt

11. Answer the following about a certain author FTPE.

a. This man's autobiographical character of Nathan Zuckerman appears in several of his novels including *The Ghost Writer* and *Zuckerman Unbound*.

Ans: Philip Roth

b. This comic Philip Roth novel is structured as a confession by the title character to a psychiatrist. That protagonist tells of his Jewish upbringing, his constant masturbation, and his over-bearing mother, Sophie.

Ans: *Portnoy's Complaint*

c. In Philip Roth's *The Professor of Desire*, the protagonist travels to Europe because of fascination with this author.

Ans: Franz Kafka

12. Identify these concepts related to special relativity FTPE.

a. This concept states that when an observer is moving with constant velocity, v , with respect to an inertial observer, the clock of the moving observer appears to tick more slowly than that of the observer at rest.

Ans: time dilation

b. One check on special relativity is this principle that states any correct theory must reduce to the classical, everyday laws of physics in the appropriate limits.

Ans: correspondence principle

c. This consequence of special relativity is an effect in which a moving body is shortened as it approaches the speed of light, as measured by an observer at rest with respect to the moving body.

Answer: Lorentz-Fitzgerald contraction [prompt on "length contraction"]

13. Identify these 15th century Italian painters FTP each.

a. Considered the first great Venetian painter, this man's works include *Madonna of the Meadow* and *The Feast of the Gods*. His father Jacopo was also a famous painter.

Ans: Giovanni Bellini

b. *Beheading of St. Cosmas and St. Damian* is just one of the works that this Dominican monk did in the monastery San Marco.

Ans: Fra Angelico or Fra Giovanni da Fiesole

c. This teacher of Leonardo da Vinci is probably best known for his bronze monument to Bartolommeo Colleoni in Venice.

Ans: Andrea del Verrocchio

14. Identify the following members of the Eleatic school of philosophy FTP each.

a. This Eleatic was famous for his paradoxes and is not to be confused with a Stoic from Citium with the same name.

Ans: Zeno of Elea

b. The Eleatic school was founded in the early 5th century BC by this man, not by Xenophanes of Colophon as some apocryphal records indicate.

Ans: Parmenides

c. This native of Samos is considered the last significant Eleatic. He was also the commander of the Samian fleet, which defeated the Athenians in 441 BC.

Ans: Melissus

15. Identify the following about the Byzantine Empire FTP each.

a. A short-lived settlement of the iconoclastic controversy occurred under the reign of Empress Irene at a second church council at this site in 787.

Ans: Nicaea

b. By 1460 the Turks wiped out the remnants of the Byzantine Empire on the Peloponnesus, ensuring that this man would go down in history as the last Byzantine emperor.

Ans: Constantine XI

c. Isaac became the first emperor from this family in 1057, though Alexius I was its most famous member, for it was his plea for help that led to the calling of the First Crusade.

Answer: Comnenus or Comneni

16. Identify these 17th century French writers FTP each

a. This man's last two works were the biblical tragedies *Esther* and *Athalie*, which failed to achieve the earlier success of such works as *Andromaque* and *Phaedre*.

Ans: Jean Baptiste Racine

b. This woman's fame rests on *La princesse de Cleves*, which is considered the first great French novel.

Ans: Comtesse de La Fayette or Marie Madeleine Pioche de la Vergne

c. This man's career began with the comedy *Melite* and progressed with such works as *Horace*, *Cinna*, and *Polyeucte*.

Ans: Pierre Corneille

17. Answer these questions concerning an 18th century discovery.

a. Born Daniel Tietz, this Prussian astronomer joined the faculty of Wittenberg in 1756, ten years before his most famous postulate.

Ans: Johann Titius

b. Johann Titius expressed this empirical rule in 1766, which relates the distances between the sun and planetary bodies. Although it fails for Neptune and Pluto, it was successful in predicting the asteroid belt and was popularized by a coworker for whom it is now known.

Ans: Bode's law

c. According to Bode's law, the distance of a planet from the sun can be expressed in terms of N, where N is a number from the sequence 0,1,2,4,8,etc. For a final ten points, provide an expression for the distance D in astronomical units in terms of N.

Ans: $D = 0.4 + (0.3 * N)$

18. Name these Illinois cities FTP each.

a. The conglomeration of Rock Island, Davenport, Moline, and East Moline both in Illinois and Iowa is known as this.

Ans: Quad Cities

b. Illinois' southernmost point is this city on the Mississippi that also borders Missouri and Kentucky. It shares its name with a world capital.

Ans: Cairo

c. Illinois' second largest city is this one, located west of Chicago in the north-central part of the state.

Ans: Rockford

19. Answer the following about an important campaign of the American Revolutionary War FTP each.

a. This Virginia native and brother of a famous explorer led the troops that successfully captured the British-held settlements of Kaskaskia and Cahokia.

Ans: George Rogers Clark

b. Perhaps Clark's greatest victory was the recapture of this southwestern Indiana city on the Wabash River. The conquest of the Old Northwest was complete when the British surrendered to Clark at this site on February 25, 1779.

Ans: Vincennes

c. Clark had to recapture Vincennes from this British general, who had descended from Detroit to first recapture it for the redcoats.

Ans: Henry Hamilton

20. Given some literary works identify the historical battle during which they are set FTPE.

a. John Skelton's "Against the Scots" is a rude poem rejoicing in English victory at this battle. It is also the setting for all six cantos of Sir Walter Scott's *Marmion*.

Ans: Flodden Field

b. This battle is the setting for the Pulitzer Prize-winning novel *Killer Angels* by Michael Shaara.

Ans: Gettysburg

c. Robert Louis Stevenson's *The Master of Ballantrae* disappears after this battle, only to resurface and find his brother Henry ruling in his place.

Ans: Culloden Moor