

2000 Terrapin Invitational Tournament - Division 1  
Round 3  
Questions by Michigan A (Ezequiel Berdichevsky)

1. The city of Black Hawk had not been kind to her family: her father had killed himself and she must ward off the advances of Wick Cutter. Her male counterpart and friend of Otto Fuchs and Jake Marpole has gone off to Harvard, but returns to Nebraska at the end of the novel, where he encounters the title character who is happily married to Anton Cuzak. FTP identify this 1918 Willa Cather work featuring Jim Burden and the Shimerda family.

Ans: *My Antonia* (prompt on just "Antonia" before the word novel)

2. Much of the military resistance that this city put up can be viewed as a direct result of Eduard Totleben's defenses, although in her adventures Mary Seacole notes that the onset of winter helped to hold the aggressors at bay for 11 months. The breakthrough finally came on September 8th when Fort Malakhov fell to the French troops; up to this point the forces of Prince Menshikov had fought to a stalemate. FTP, what operation begun in 1856, the pivotal siege and battle of the Crimean War.

Ans: Sevastopol

3. She had a temple at Rhodes where she was worshipped as the tree goddess Dendritis, and an alternate myth identifies her mother as Nemesis. In Euripides' version of her story her most famous role is played by a phantom as she is stuck in Egypt, but most stories agree that she marries Deiphobus upon her lover's death. FTP, identify this sister of Clytemnestra and the Dioscuri, who was abducted by Paris and taken to Troy. Ans: Helen 4. It can either display an A phase or a lower temperature B phase and has been useful in investigations of the big bang theory. The appearance of this property was found by the American team of Lee, Osheroff, and Richardson, which built on work done in 1938 when liquid helium-4 reached the lambda point and increased its heat conductivity rate enormously. FTP identify the scientific concept first discovered by Pyotr Kapitsa and named for liquid helium's ability to flow without friction.

Ans: superfluidity

5. His endeavors began with the seizure of two natives off Anticosti Island, a move he would repeat later in his dealings with Iroquois chiefs. He also abandoned his fellow explorer Roberval in Newfoundland, and disobeyed Francis I's orders by returning to Europe too soon. However, his landing at Gaspé and explorations up the St. Lawrence River would form the foundation for French claims to North America. FTP identify this explorer who sailed to the New World three times between 1534 and 1542.

Ans: Jacques Cartier

6. The speaker does not understand what the title character is saying and speculates on the nature of her singing, debating between "old unhappy far off things/ and battles long ago," or, "some more humble lay/ familiar matter of today." Regardless of her subject he notes that she sings sweeter than any nightingale, and that long after he has left the scene the song and the vision of this girl will stay in his heart. FTP identify this short poem by William Wordsworth which begins "Behold her, single in the field... alone she cuts and binds the grain."

Ans: The Solitary Reaper

7. His mom called him nonchalant in a shoe commercial some years ago, but his first step and penchant for hitting the clutch jump shot earned him a starting spot over Sedale Threatt his rookie year. In college he led his team deep into the tournament, going to the final four and elite eight in his last two seasons, but he now dishes off to Keon Clark and Raef LaFrentz. FTP identify this former Cincinnati and L.A. Laker point guard nicknamed "quick" who leads the Denver Nuggets on the fast break.

Ans: Nick van Exel

8. Laboratory derivatives of it have recently been formed as experimental antimetabolites for use in cancer chemotherapy. Its triphosphate acts as a coenzyme in the biosynthesis of sucrose in plants and lactose and glycogen in mammals, but its most important role is in providing a phosphate group for the formation of ATP. FTP, name this molecule isolated from herring sperm in 1901, an organic base of the pyrimidine

family found only in RNA.

Ans: uracil

9. The Tamarugal plain rises to more than 3000 feet, while at the city of Calama the Loa river helps to irrigate some crops. To the west lies the Cordillera de la Costa and to the East the Cordillera Domeyko, and although copper mining is now the most valuable resource, the discovery of sodium nitrate deposits in the 19th century led to armed conflict. FTP identify this desert whose aridity is based on the Humboldt current on the coast, located in the north of Chile.

Ans: Atacama desert (prompt on Chile before the Cordilleras are mentioned)

10. One of many reasons justifying this event were efforts to thwart papal rule in Romagna, and its failure prompted an ecommunication and a two year war with Ferdinand I of Naples. Planned by Francesco Salviati and pope Sixtus IV's nephew, Girolamo Riario, it took place during mass on April 26 and resulted in the death of Giuliano, although his brother escaped with a wound. FTP identify this 1478 plot, whose conspirators were later executed by Lorenzo de Medici, named after a rival Florentine Family.

Ans: Pazzi conspiracy

11. The hospital manager hides the patient's tobacco, the judge ceases to hunt and feeds his drunk servants garlic, and the head of the school is advised to control his teachers. All of these precautions are advised by Anton Antonovich, whose daughter Maria and wife Anna, are both charmed when the title character arrives with his servant Osip. However, the ruse is finally uncovered in a letter in, FTP, what 1836 work that features Ivan Khlestakov impersonating a government official.

Ans: *The Inspector General*

12. On the left side a woman in the background stands out in her stark white clothes. A mustachioed man in a top hat is seen in the upper right hand corner talking to a woman whose back is turned to the viewer. The foreground features a glass with two roses, a bowl of mandarin oranges, and various bottles on either side of the central figure. FTP identify this 1881 canvas notable for the large mirror and the melancholy beauty of the serving girl at the title place, the last notable work of Manet.

Ans: *Bar at the Folies-Bergere*

13. Founded by a former inspector general, Chao K'uang Yin, following a coup, after a time it was divided into a Northern and a Southern Kingdom. Eventually the northern section of the dynasty with capital at Pien-Ching was conquered by the Juchen people, but the southern portion established a new capital at Lin-An where the arts flourished due to the invention of movable type. FTP identify this dynasty which was replaced by the Yuan and reigned during the years of 960 to 1270.

Ans: Sung or Song dynasty

14. After spending time teaching in New Zealand during the war he returned to Europe late in life and in 1951 released the volume *Realism and the Aim of Science*. In his work he argued against the idea of inductive empiricism, and instead that hypothesis testing must meet the "falsifiability criterion" to be validated. . FTP identify this early member of the Vienna Circle most famed for his work *The Poverty of Historicism* and *The Logic of Scientific Discovery*.

Ans: Karl Popper

15. When his former sweetheart Anny comes to visit him in the town of Bouville, the main character is severely disappointed. Eventually when his sexual adventures with the café owner Françoise and the work he is doing on the Marquis de Rollebon will not help to keep the titular feeling away from him he decides to leave for Paris. FTP identify this novel about the failed historian Antoine Roquentin's realization that there is no reason to exist, written in 1938 by Jean-Paul Sartre.

Ans: *Nausea* or *La Nausée* (accept Antoine Roquentin before he is mentioned)

16. In 1877 he demonstrated a relation between osmotic pressure and the molecular weight of substances in plant cells, and a summary of research done with the evening primrose led to the discovery of abrupt evolutionary change. The coiner of the term "mutation", his most well-known discovery was the work of an earlier scientist involving garden peas. FTP identify this Dutch scientist who introduced the experimental

study of organic evolution and the work of Gregor Mendel to the world.

Ans: Hugo Marie De Vries

17. Originally a tailor in Philadelphia, he began advocating abolitionism and utopian socialism during his founding of the Garment Cutters Association in 1862. In 1878 he lost a congressional bid on the Greenback Party, but in his most important role he advocated secrecy as a means of survival and unification. FTP, name this utopian reformer and organizer of the Garment Cutter's Union who was the first grand master workman of the Knights of Labor.

Ans: Uriah Stephens

18. Though the Hodgson report disputed any notion that she possessed psychic powers, she kept a baboon in the corner of her room to remind her of the falsities of Darwin. Originally named Hahn, in works such as *The Voice of Silence* and *Isis Unveiled* she promoted the idea of mystical experience and founded a society headquarters in Adyar, India. FTP, identify this controversial author of *The Secret Doctrine* and founder of theosophy.

Ans: Helena Blavatsky

19. Hurler's syndrome, which involves a defect in the metabolism of polysaccharides, is a storage disease affecting these organelles first discovered by Christian Rene de Duve in the 1950s. They originate by budding off from the trans-golgi network and materials are carried to them through the processes of phago and endocytosis. FTP, name this organelle found in all eukaryotic cells and responsible for the cell's digestion of old cell parts and microorganisms.

Ans: lysosome

20. She agonizes over killing her two children to avenge her lover's infidelity, but before she mounts the funeral pyre to commit suicide with him they are turned over to her father. Adalgisa is the other woman in this 1831 work based on a Soumet tragedy, which features the famous aria to the moon goddess, "Casta Diva," asking for peace between Rome and the Gauls. FTP, identify this work featuring the title character's love for Pollione, the masterpiece of Vincenzo Bellini. Ans: *Norma*21. In works such as *The Constitution of Liberty* he argued that government intervention in a free market only forestalls economic problems rather than solving them. His other works including Keynesian ideas include *Prices and Production*, *The Pure Theory of Capital*, and *Law, Legislation, and Liberty*. FTP, identify this Austrian born economist and winner of the Nobel Prize in economics in 1974 who wrote *The Road to Serfdom*.

Ans: Friedrich August von Hayek

### Bonuses

1. Identify the following films starring Rita Hayworth from a brief description FTPE.

a. Based on a story by Dreiser in this 1942 work a songwriter Paul Dresser, played by Victor Mature, writes songs for Hayworth's Ms. Elliott and makes her a star.

Ans: *My Gal Sal*

b. In this Charles Vidor film from 1946, Glenn Ford as Johnny Farrell gets involved in the sordid lives of a casino owner, Ballin Mundson, and his wife the sensuous title character.

Ans: *Gilda*

c. In this 1948 classic Orson Welles directs and stars as Michael O'Hara, a man who falls in love with Bannister's wife Rosalie on a cruise and is later framed for not faking the death of George Grisby.

Ans: *The Lady from Shanghai*

2. Identify the following figures from 20th Century Hungarian History FTPE.

a. Before the revolution of 1956, Hungary was dominated by pro-Stalinist forces and headed in quick succession by two prime ministers with similar agendas: name either one for ten points.

Ans: Matyas Rakosi and Erno Gero

b. After Rakosi was sacrificed by the Russians to placate Tito, Gero's regime met with a lot of resistance and he was deposed by this man, who tried to establish Hungary's independence outside the Warsaw Pact.

Ans: Imre Nagy [NAHJ]

c. As the tanks rolled back into Budapest, this former Nagy aide formed a new government under Soviet control and after twice serving as premier parlayed that position into thirty years as the secretary of Hungary's Communist party

Ans: Janos Kadar

3. Identify the following about the tragedy of Macbeth 5-5-10-10

a. First identify the King that Macbeth and his wife kill during the play.

Ans: Duncan

b. After the death of Duncan his two sons flee to Ireland and England respectively, name either one for 5.

Ans: Donalbain and/or Malcolm

c. Macbeth begins and ends with this violent act: he does it to the traitor Macdonwald and gets it done to him by Macduff. Keep in mind that the first apparition actually foreshadows it.

Ans: Decapitation accept equivalents

d. When Malcolm and Macduff return to England, their forces are combined with those of this British lord whose son of the same name is slain by Macbeth in battle.

Ans: Siward

4. Identify the following about an Astronomical subject FTPE.

a. . Generally high speed nuclei of hydrogen atoms or alpha particles, they generally come from the sun or outside the Milky Way.

Ans: cosmic rays

b. In a series of balloon ascents in 1911 this scientist noted that radiation increased notably with altitude prompting him to postulate the existence of cosmic rays

Ans: Victor Hess

c. Hess' work on was confirmed by this American physicist, who worked on determining the electrical charge of an electron, and who actually coined the term "cosmic rays."

Ans: Robert Millikan

5. Identify the following composers from a ballet and the year it was composed for 10 or from a better known work for 5:

(10) *Don Juan*, 1761

(5) *Alceste*, *Orfeo ed Euridice*

Ans: Cristoph Willibald Gluck

(10) *The Fantastic Toyshop*, 1919

(5) *Roman Festivals*, *The Pines of Rome*

Ans: Ottorino Respighi

(10) *Whipped Cream*, 1924

(5) *From Italy, Der Rosenkavalier*

Ans: Richard Strauss

6. Identify these Latin American political leaders from a description FTPE:

a. Although initially popular, the autocratic personality of this first emperor of Brazil marked him as an ineffective ruler.

Ans: Dom Pedro I

b. Killed by agents thought to be working for Jose Obando, he encountered resistance from elites while trying to enforce the constitution of his mentor Simon Bolivar.

Ans: Jose Antonio de Sucre

c. At one time exiled by the dictatorial regime of Rosas, this Argentinian president first elected in 1868 criticized totalitarianism in the book *Facundo* and promoted the idea that national development depends on education.

Ans: Domingo Faustino Sarmiento

7. Identify the following works by and about a writer FTPE.

a. Born in Calcutta, he wrote novels such as *A Shabby Genteel Story* and *The Rose and the Ring* under pseudonyms including Titmarsh and Fitzboodle.

Ans: William Thackeray

b. In this Thackeray novel the titular hero is spoiled by his mother and his prospective lover Laura Bell all the while becoming editor of the Pall Mall Gazette.

Ans: The History of Pendennis

c. Continued in *The Virginians*, it tells the story of a man brought up at Castlewood with Beatrix and Frank, but he ends up marrying Rachel in the end and goes to America.

Ans: The History of Henry Esmond, Esquire

8. Identify the following about a psychologist FSNP.

(5) After five years in Freud's circle he published *The Psychology of the Unconscious*, refuting the purely sexual nature of neuroses.

Ans: Carl Jung

(5,5) In the 1921 work *Psychological Types*, Jung differentiated people into these two opposed attitude types. Name them FFPE.

Ans: introvert and extrovert

(5) These universal primordial images and ideas populate Jung's collective unconscious.

Ans: archetypes

(10) Finally, for ten points identify the type of psychoanalysis Jung developed in opposition to Freud's, which focused more on the patient's immediate conflicts.

Ans: analytic psychology

9. Identify the following about the composition of plants FTPE:

a. The presence of these two types of cells, collectively known as the vascular tissue, aid in the conduction of water and support of the plant.

Ans: xylem and phloem

b. The xylem and phloem form the stele which is in turn bounded by one or two cell layers of this tissue, which generally gives rise to the branches or roots.

Ans: pericycle

c. This layer of actively dividing cells is generally found between the xylem and phloem and is responsible for the secondary growth of stems and roots.

Ans: cambium

10. Identify the following about an event in French History FTPE.

a. Occurring in the namesake city from March 18 to May 28 in 1871 it was a republican insurrection against the potential restoration of the monarchy after the peace with Germany.

Ans: Paris Commune

b. The Paris Commune was made up of a number of subgroups including the Proudhonists and Blanquistes,



but was primarily composed of this segment who styled their actions on those of the like-named club that spearheaded the French Revolution.

Ans: Jacobins

c. This president of the 3rd Republic ruthlessly used troops to put an end to the insurrection.

Ans: Louis Adolphe Thiers

11. Identify the following Egyptian deities from a brief description FTPE.

a. In his Atum aspect he was represented with a sun disk between his horns: otherwise this fertility god, primarily worshipped at Memphis, took the form of a black and white bull.

Ans: Apis

b. This god burst out of the womb of his mother Nut, foreshadowing his capacity to do violence to his brother Osiris.

Ans: Set or Seth

c. Another local Memphis deity, he was depicted as a man in mummy form with a short beard. The patron of craftsmen, he was later worshipped along with his wife Sekhmet all over Egypt.

Ans: Ptah

12. Identify the following about some artsy doors FTPE.

a. In 1402 this Florentine sculptor won a competition for the right to decorate the doors of the Baptistery of San Giovanni.

Ans: Lorenzo Ghiberti

b. To win the competition Ghiberti had to submit a trial relief depicting this Biblical scene.

Ans: The Sacrifice of Isaac

c. Although he would later add the second set of doors known as the "Gates of Paradise", Ghiberti was preceded in his decorative endeavors by this man, whose *Baptism of Christ* graced the South doors of the Baptistery.

Ans: Andrea da Pisano

13. Identify the following concerning a prominent mathematician and scientist FTPE:

a. This Englishman became the first man since Newton to hold the three positions of Lucasian Professor, secretary, and then president of the Royal Society, but he is most famous for his basic law of vector analysis.

Ans: George Gabriel Stokes

b. Stokes became a pioneer in this science which studies the size and shape of the Earth and its gravitational field.

Ans: geodesy

c. In 1854 Stokes suggested that these dark lines, discovered by Wollaston in 1802 but not named for him, might be caused by atoms in the outer layers of the sun that absorb light at certain wavelengths.

Ans: Fraunhofer lines

14. Identify the following about an event in Colonial History FTPE.

a. Although peace in the New England Colonies had been shattered in 1637 by the Pequot War, this conflict against the Wampanoag Indians almost forty years later proved to be even bloodier.

Ans: King Philip's War

b. King Philip was the second son of this previous Wampanoag leader who had stressed cooperation with the white settlers and actually aided the Plymouth colony in its early days.

Ans: Massasoit

c. For a final ten points identify the other major tribe involved in the dispute, much of whose forces were wiped out by the settlers in the Great Swamp Fight of 1675.

Ans: Narraganset

15. Identify the following about a religion FTPE.

a. Those who ascribe to this faith divide their years into 19 months of 19 days each, and its tenets are the essential unity of all religions and the unity of humanity.

Ans: Baha'i

b. The Baha'i faith was founded in mid-nineteenth century Iran by this man, who considered himself

another manifestation of God.

Ans: Baha' Ullah

c. The Baha'i community is governed on local and national levels around the world through spiritual assemblies, these in turn elect this international body with supreme power to delegate decisions.

Ans: Universal House (also accept Halls) of Justice

16. Identify the following about an anthropologist FTPE.

a. After studying Australian aboriginal data, he received funding to work in New Guinea among the Mailu people.

Ans: Bronislaw Malinowski

b. After his work with the Mailu was complete, Malinowski went to these islands, the location for his field work later published as *Crime and Custom in a Savage Society* and *Argonauts of the Western Pacific*.

Ans: Trobriand islands

c. Although the Trobriand Islands brought him fame, Malinowski was also involved in Africa and actually wrote the introduction to this future president's book *Facing Mount Kenya*.

Ans: Jomo Kenyatta

17. Identify the American writer from works 30-20-10-5:

(30) Novels such as *The Sundial* and *The Bird's Nest*.

(20) A play *The Bad Children* and the novel *The Road through the Wall*

(10) *We Have Always Lived in the Castle*, *The Haunting of Hill House*

(5) "The Lottery"

Ans: Shirley Jackson

18. Identify the following about Cyprus 5-10-15:a. In the middle of the island lies this capital of the republic.

Ans: Nicosia

b. Nicosia is actually located in this principal growing area of the island, a plain stretching from Morphou in the west to Famagusta in the South.

Ans: Mesaoria plain

c. The Mesaoria plain means "between the mountains," as the island is dominated by these two ranges whose summits include Mount Olympus and Pentadaktylos. Name either range for 15 points.

Ans: Kyrenia and Troodos mountains

19. Identify these American Law cases which the writer of this packet screws up on a regular basis FTPE.

a. This 1908 case turned on the decision of a laundry owner to have his female employee, a Mrs. Gotcher, work more than 10 hours in a day; attorney for the state Louis Brandeis argued that women need special protection from exploitation because of biological differences.

Ans: *Muller v. Oregon*

b. This 1973 case followed on an earlier obscenity case concerning *Fanny Hill* and argued that "some redeeming social value" is no defense, and offensive sexual portrayals may be prohibited by the state.

Ans: *Miller v. California*

c. This celebrated case involved the sentencing of a confirmed confederate sympathizer to the gallows at an Indiana military tribunal; it was struck down by the Supreme Court as unconstitutional because civil courts were present at the time of the sentence.

Ans: *Ex Parte Milligan*

20. Identify these effects from physics FTPE:

a. Named after an American scientist, it is the development of a transverse electric field in a solid material when it carries an electric current and is placed in a magnetic field that is perpendicular to the current.

Ans: Hall effect

b. Discovered in 1928 it occurs when a beam of light traverses a dust-free, transparent sample of a chemical compound, and a small fraction of the light emerges in directions other than that of the incident beam.

Ans: Raman effect

c. Named after an Englishman it concerns the rotation of the plane of polarization of a light beam by a magnetic field.

Ans: Faraday effect