

2000 Terrapin Invitational Tournament - Division 1  
Round 9  
Questions by John Nam

*Tossups*

1. It tells of life at 27 rue de Fleurus, which became a hub of artistic discussion in the early 1900s. Featuring real-life encounters of its author and its narrator with artists from Picasso to Hemingway, this 1932 work was its author's first critical and commercial success. FTP, name this work, which despite its title mainly concerns the life story of its author, Gertrude Stein.

Ans: *The Autobiography of Alice B. Toklas*

2. First formed in August 1965, their original lineup included Bob Harvey and Jerry Pelonquin, who were soon initially replaced by Alexander Skip Spence and Signe Anderson, then by Spencer Dryden and Jack Casady. Their debut album was moderately successful, a former member of Great Society joined in 1966 and the subsequent release of *Surrealistic Pillow* that they took off. FTP, name this seminal band whose most famous members were Jorma Kaukonen, Marty Balin, Paul Kantner and Grace Slick.

Ans: Jefferson Airplane

3. While studying for the bar in New Salem, Illinois, he began courting the fiancée of John McNamar, who had gone to get his parents in New York. McNamar's fiancée agreed to marry him if she could get an "honorable release" from her engagement, but got milk fever and died before McNamar's return in the fall of 1835. Such is the tale of the first love of this man for Ann Rutledge, mildly ironic considering his future reputation for honesty. FTP, name this assassination victim and U.S. statesman.

Ans: Abraham Lincoln

4. It appeared in the writings of Pliny the Elder and Seneca, and the first scientific explanation of it was made by Aristotle in his *Meteorologica*. In various mythologies, it was explained as the dance fire of ghosts or of peoples further in the north, while Northern Germanic tribes saw in it the splendor of the shields of Valkyrie. First named by Pierre Gassendi in 1621, FTP, name this interaction of the solar wind and earth's magnetic field which occurs most frequently around 70 degrees north latitude.

Ans: Aurora Borealis

5. In the Vedas, her name is associated with Agni as the name of one of seven flickering tongues of flame but among the Tamils, she is known as Kottavei. She is generally pictured as wearing a chain of severed human heads and a belt of dismembered arms; she makes the gesture of fearlessness and confers benefits with her right hands, while her left hands hold a bloody sword and the severed head of a demon. FTP, name this Hindu mother goddess, the symbol of dissolution and destruction.

Answer: Kali

6. Her debut with the Denishawn Dance Company in 1915 was in *Xochitl*, a ballet based on Aztec themes. In a career spanning over 70 years, she taught at the Eastman school of music in addition to creating over 180 works, ranging from *Cave of the Heart*, based on the Medea story, to *Seraphic Dialogue*, involving Joan of Arc. FTP, name this legendary American dancer whose choreographic skills were made famous in the premiere of Copland's *Appalachian Spring*.

Ans: Martha Graham

7. Published in 1844, a subplot includes Jonas, who tries to poison his father, murders Montague Tigg and eventually commits suicide. Meanwhile, the title character has become an architect for the fraudulent Eden Land Corporation, loses everything, and returns home from America to his native England. FTP, name this once selfish Dickens protagonist, who after his return is accepted by both his grandfather and beloved Mary Graham.

Ans: Martin Chuzzlewit

8. Located adjacent to the Rímac River in an arid coastal region, its metropolitan area has a population of 6.4 million, accounting for almost one-third of its nation's total and a similar proportion of the nation's workforce. Founded by Pizarro in 1535 and originally named Ciudad de los Reyes, most of its important

historical and architectural landmarks are centered around the Plaza de Armas, located near the current home of Alberto Fujimori. FTP, name this capital and largest city of Peru.

Ans: Lima

9. A minister in the Christian Church/Disciples of Christ, during the 1950s, he established a following of over 900 members in Indianapolis, by preaching a "social gospel" of human freedom, equality and love. His group later moved to California but after an expose during the mid-1970s by the magazine *New West*, he leased almost 4,000 acres from the Guyana government. FTP, name this cult leader, who led his followers into mass suicide following the assassination of Congressman Leo Ryan in 1978.

Ans: Jim Jones (or James Warren Jones)

10. A common laboratory process used for many years was ascribed to German chemist Johann Rudolf Glauber, consisting of heating potassium nitrate with concentrated sulfuric acid. Gay-Lussac and Berthollet established its chemical composition in 1816, and due to its strong oxidative properties, it is generally stored in dark brown bottles to prevent decomposition into  $N_2O_4$ . FTP, name this highly corrosive acid manufactured by the Ostwald process with formula  $HNO_3$ .

Ans: nitric acid

11. It sets out the basic principles of the approach that myths cannot be understood in isolation but only as parts of an entire myth system. Beginning with one Bororo myth and ending with a whole collection from tropical South America, references in it include Eurocentric customs, shared features between myths and the transformations which link them. FTP, name this seminal work of structural anthropology which first appeared in 1964, the first volume of Claude Levi-Strauss' massive *Mythologiques*.

Ans: *The Raw and the Cooked* (or *Le Cru et le Cuit*, prompt if "Mythologiques" given early)

12. It debuted at Arena Stage in 1967, and appropriately enough the son of a prizefighter-turned-actor played the lead of Jack Jefferson, world heavyweight champion. It opens in 1910 centering around the efforts of racists to promote a white boxer to defeat Jack, but Jack's love for the white Eleanor Bachman proves to be his undoing. FTP, name this play by Howard Sackler, loosely based on the life of Jack Johnson, which starred James Earl Jones in a role he played for the 1970 movie of the same name.

Answer: *The Great White Hope*

13. In a moment of rage, the protagonist kills a messenger from the British District Offices, but after finding his clansmen will not support him he kills himself as well. Set during the British expansion into Igboland, upon a respected tribal leader's banishment from his own village for seven years, he returns to find the village subject to colonial laws and his tribal beliefs replaced by Christianity. FTP, the tragedy of Okonkwo is recounted in what novel by Chinua Achebe.

Ans: *Things Fall Apart*

14. During adverse environmental periods, many of these survive by encystment, becoming circular, losing most of their water, and secreting a membrane for protective covering until the environment again becomes suitable. It reproduces asexually using binary fission, and having no mouth or anus, it feeds by forming a vacuole with its cell membrane into which enzymes are secreted. FTP, name this microscopic protozoan, identified by its ability to form temporary cytoplasmic extensions called pseudopodia.

Ans: Amoeba

15. In 1932, he died on the Walker River Reservation in Nevada of natural causes at the age of 74. At Wounded Knee in 1890, white settlers were convinced that Sitting Bull was going to lead an uprising, but the deaths of the 200 Sioux were probably a result of their following this man. FTP, name this Paiute Indian and medicine man, who taught that the return of the buffalo herds and the resurrection of ancestors could be achieved through the Ghost Dance.

Ans: Wovoka

16. Housed in a strongly framed niche, to each side are balconies resembling theater boxes that hold marble figures representing members of the Cornaro family. The “invisible compliment” of this Baroque sculpture is the force that carries the figures heavenward, while the ceiling fresco above it represents the infinite space of heaven. FTP, name this 1642-52 work of Gianlorenzo Bernini, depicting the story of how a particular Counter-Reformation saint was pierced through her heart by an angel’s flaming arrow.

Ans: The Ecstasy of St. Theresa

17. Its hero, having dedicated himself to poetry and chastity, journeys from England to the New World and finds himself in the middle of political intrigue and a bawdy celebration of physical appetites. He journeys to take charge of Malden, a tobacco plantation on Maryland’s Eastern Shore. The novel takes its title from an actual 1708 poem by Ebenezer Cooke, whose adventures are chronicled in the work. FTP, name this parody of an historical novel, first published in 1960 and written by John Barth.

Answer: *The Sotweed Factor*

18. The two major sects differ in their method of attaining the Satori, or awakening of the Buddha-nature inherent in everyone. Rinzai, introduced in 1191 by the priest Eisai, emphasizes sudden shock and meditation on the paradoxical statements called Koan. The Soto sect, introduced in 1227 by Dogen, prefers the method of quiet sitting, or zazen. FTP, name this Buddhist school, whose name comes from the Japanese pronunciation of the Chinese “Ch’an.”

Answer: Zen Buddhism

19. The third son of the dauphin and his consort Maria Josepha of Saxony, he was at first known as the duc de Berry, but became heir to the throne after his father’s death. His education was entrusted to the duc de La Vauguyon, who made little effort that he be properly trained, and upon taking the throne his failure to support reforming ministers such as Turgot, Necker and Calonne forced him to summon the Estates-General in July 1788. FTP, name this monarch toppled by the French Revolution.

Answer: Louis XVI

20. It is equal to  $2GM$  over  $c$  squared, where  $G$  is the gravitational constant,  $c$  is the speed of light, and  $M$  is the mass of the body. If the body collapses to such an extent that the radius becomes less than this value, the escape velocity becomes equal to the speed of light and the object becomes a black hole. FTP, name this critical distance that light must exceed to escape, which for a black hole is equal to the event horizon.

Ans: Schwarzschild radius

21. The only leader after Stalin to be made marshal of the Soviet Union, his leadership ended with the dismissal of Podgorny as chairman of the Presidium of the Supreme Soviet. As second secretary in Kazakstan he instituted the Virgin and Idel Lands Campaign, and when Alexander Dubcek tried to liberalize Czechoslovakia in 1967, he asserted to right of Soviet intervention. FTP, name this Soviet leader who succeeded Alexander Kosygin in 1964 as first secretary.

Ans: Leonid Brezhnev

*Bonuses*

1. Given an event, name the Punic War in which it took place FTP each.

a. Hasdrubal killed at the battle of the Metaurus River.

Ans: 2nd

b. Rome annihilates Carthaginian fleet at the Aegates Islands, off Lilybaeum, leading to Carthage's surrender.

Ans: 1st

c. Begun with attack on Massinissa, king of Numidia, by Carthage.

Ans: 3rd

2. If there's one thing you can count on in art, it's that you can find lots of naked people. Given artworks featuring nudity, FTSNOP name the artist who created it.

5. *Les Femmes d'Alger (O.J. Version O)*

Ans: Pablo Picasso

10. *The Joy of Life*

Ans: Henri Matisse

15. *Battle of Ten Naked Men*

Ans: Antonio del Pollaiuolo

3. "Do you like scary movies?" Most of us do, but answer these questions concerning the body's reaction when you are scared FTPE.

a. The primary reaction causes the release of this hormone, which allows the heart to beat faster and the blood flow to increase.

Ans: adrenaline or epinephrine

b. This 19th century scientist was the first to notice that nearly all animals have the same response to fear; thus, the reaction must have a biological basis.

Ans: Charles Darwin

c. The sensory inputs from fear-based reactions travel to this section of the midbrain, which is almond in shape and can alert all bodily functions.

Ans: amygdala

4. Robert Jordan's massive *Wheel of Time* fantasy series is very frustrating to read, since he puts out one book every two years, and they don't seem to get anywhere. Answer the following about that series FSNP.

a. Due out on November 7, 2000 is the latest installment. FTP, give its title.

Ans: *Winter's Heart*

2. For 5 points each, name any four of the other eight titles that comprise this fantasy series.

Ans: *The Eye of the World*, *The Great Hunt*, *The Dragon Reborn*, *The Shadow Rising*, *The Fires of Heaven*, *Lord of Chaos*, *A Crown of Swords*, *The Path of Daggers*

5. FFPE, given the movie, name the pair of actors who played Wyatt Earp and Doc Holliday.

a. *Tombstone* (1993)

Ans: Kurt Russell and Val Kilmer

b. *Gunfight at the O.K. Corral* (1957)

Ans: Burt Lancaster and Kirk Douglas

c. *My Darling Clementine* (1946)

Ans: Henry Fonda and Victor Mature

6. FSNP, given the name of the military operation, name the target of that operation. For example, if I said, "Overlord," hopefully you'd reply "Normandy".

5. Operation Sealion

Ans: England

10. Operation Urgent Fury

Ans: Grenada

15. Operation Chromite

Ans: Inchon

7. Name these laws from solution chemistry FTPE.

a. Named after the Nobel prize winner in physics in 1909, it states that for a dilute solution of concentration  $c$ , the dissociation constant is equal to  $\alpha^2 c$  divided by  $1 - \alpha$ , where  $\alpha$  is the degree of ionization.

Ans: Ostwald's dilution law

b. If  $p$  is the vapor pressure of the solvent and  $X$  is the mole fraction of the solvent,  $p$  equals  $p$ -nought times  $X$  where  $p$ -nought is the vapor pressure of the pure solvent.

Ans: Raoult's law

c. For an absorption system, the absorbance of a solution is equal to a constant  $\epsilon$  times the path length of the cell times the concentration of the solute.

Ans: Beer's law

8. FSNP, answer the following questions about the Gorgons.

(15) FFPE, name them.

Ans: Euryale, Stheno, Medusa

(5, 15) Name their parents, five for one and fifteen for both.

Ans: Phorcys and Ceto

9. FSNP, name the creators of the following stuffed animals found in childrens' literature.

(5) Winnie-the-Pooh

Ans: Alan Alexander Milne

(10) Paddington Bear

Ans: Michael Bond

(15) the Velveteen Rabbit

Ans: Margery Williams

10. FTPE, name the last (or current) royal dynasty to rule the following countries.

a. Iran

Ans: Pahlavi

b. Byzantine Empire

Ans: Paleologus

c. Saudi Arabia

Ans: Wahabi

11. On October 22, 2000, Gary Anderson of the Minnesota Vikings became the leading scorer in NFL history, with 2,004 total points. FFPE+FPB, name the next five players on the NFL all-time scoring leaderboard, all of whom were kickers.

Ans: George Blanda, Morton Anderson, Norm Johnson, Nick Lowery, Jan Stenerud

12. Given an equation, identify the shape of the figure given.

(5)  $x^2$  over  $a^2$  plus  $y^2$  over  $b^2$  equals 1

Ans: ellipse

(10)  $y$  equals  $c$  times the hyperbolic cosine of  $x$  divided by  $c$ , when  $c$  does not equal 0.

Ans: catenary

(15) x to the 2/3 plus y to the 2/3 equals r to the 2/3

Ans: astroid

13. Given an opera based on real people or events, name the composer FSNP.

5. *Nixon in China*

Ans: John Adams

10. *The Masked Ball*

Ans: Giuseppe Verdi

15. *Andrea Chenier*

Ans: Umberto Giordano

14. Given a body of water, name the two land masses which are separated by it for 5 points each.

a. Strait of Bonifacio

Ans: Corsica and Sardinia

b. Strait of Malacca

Ans: Malay Peninsula and Sumatra

c. Windward Passage

Ans: Cuba and Hispaniola

15. Given the film, name the famous author who worked on its screenplay FTP. If you need a work of the author, you'll get 5 points.

10. *Gone With the Wind*

5. *The Beautiful and Damned*

Ans: F. Scott Fitzgerald

10. *The African Queen*

5. *A Death in the Family*

Ans: James Agee

10. *The Big Sleep*

5. *Sanctuary*

Ans: William Faulkner

16. 30-20-10 Name the treaty from its terms.

30. Territorial gains for Great Britain included Hudson's Bay, Acadia, Newfoundland and St. Kitts. In addition, the Asiento, or contract for supplying slaves to Spanish America, was granted to the subjects of Great Britain for thirty years.

20. Savoy received the island of Sicily as a kingdom, and gave up its claims upon Spain, unless the house of Bourbon became extinct.

10. Britain also received Minorca and Gibraltar, and the thrones of France and Spain were not to be united under one head based on its 1713 provisions.

Ans: Treaty of Utrecht

17. Name these tests used for measuring personality FTPE.

a. Consisting of ten symmetrical designs printed on separate cards, this test analyzes the images that patients see on each card.

Ans: Rorschach inkblot test

b. In this test, the examiner presents a series of ambiguous but realistic pictures, while the patient suggests what has happened to lead up to the situation presented.

Ans: Thematic Apperception Test or TAT

c. Developed by Raymond Cattell, this personality test examines sixteen of twenty-three traits by asking whether a particular attribute characterizes the patient and whether the patient would participate in various actions.

Ans: Sixteen Personality Factor Scale or 16PF

18. Given the address of its world headquarters, name the religious group headquartered there FTP each.

a. 12501 Old Columbia Pike, Silver Spring, Maryland

Ans: Seventh-Day Adventists

b. 25 Columbia Heights, Brooklyn, New York

Ans: Jehovah's Witnesses

c. 175 Huntington Avenue, Boston, Massachusetts

Ans: Church of Christ, Scientist

19. Identify these classes of subatomic particles based on their relation to quantum statistics FTPE.

a. With an angular momentum of the quantity  $n$  plus one half times  $\hbar$  where  $n$  is any integer and  $\hbar$  is divided by  $2\pi$ , each particle in this class can only occupy one quantum state at a given point in time.

Ans: fermions

b. The opposite of fermions, any number of these symmetric particles can occupy a given quantum state at a given point in time.

Ans: bosons

c. In two-space dimensions, it is statistically possible to have there particles with a wave function that is not symmetric like bosons or asymmetric like fermions, but which oscillates between the two.

Ans: anyons

20. Given the main character, identify the novel from which he comes 5-10-15.

(5) Prince Myshkin

Ans: *The Idiot*

(10) Grigory Pechorin

Ans: *A Hero of Our Time*

(15) Rudolf Rassendyl

Ans: *The Prisoner of Zenda*