

## Norman Kreutter &amp; Mike McCarthy Team

(Submitted for use in Tennessee Masters' Tournament, Aug. 5, 1988)

1. Following a modest career in local business, he became active in Whig politics in the 1850s. Struck by the internal dissension within the party, he devoted himself to preserving harmony within the Republican party which he helped found in 1855. He established a record for longevity by serving 43 years in both Houses of Congress. FTP, name this man whose most important contribution was an 1862 act which provided grants of land to state colleges.

Answer: Justin Morrill

2. King Charles I took Shakespeare literally and called it Malvolio by which alternate title the play was known for much of Charles' reign. FTP, give the usual title for the play which is subtitled "What You Will" and which features Orsino, Sebastian, Olivia, and Viola.

Answer: Twelfth Night

3. Born in 1856, he emigrated to the United States in 1884 and sold an important patent to George Westinghouse the following year. He regarded his most important discovery as terrestrial stationary waves. He never won a Nobel Prize which was a deep personal disappointment. FTP, name the inventor of a polyphase system of alternating current dynamos, transformers, and motors.

Answer: Nikola Tesla

4. Their name has nothing to do with their probable intelligence, but comes from the French for spadework or trench. In modern armies they serve three functions: providing tactical support on the battlefield by installing portable bridges and tank traps, building facilities, and disarming bombs. Their original job was to dig trenches or tunnels under walls of besieged cities. FTP, name this branch of military engineering.

Answer: sapper(s)

5. The real name of this British writer was Arthur Sarsfield Wade. He created the sinister Chinese criminal genius, Fu-Manchu, in countless novels and stories. FTP, give the pseudonym of this writer, the last name of which is the same as a French film director.

Answer: Sax Rohmer

6. They were noted builders and craftsmen and have been credited with the creation of fine metalwork, monumental porticoes, serpent columns, gigantic statues, and peculiar reclining Chac-Mool figures. They designated military orders of the Coyote, the Jaguar, and the Eagle. One of their rulers Topietzin, introduced the cult of Quetzcoatl. FTP, name these people who held sway over what is now Central Mexico from the 10th to the 12th centuries AD.

Answer: Toltec(s)

7. The allergic reaction to this substance is called Kwok's Disease. It was originally made from seaweed and is the salt of the amino acid glutamic acid. FTP, what is the name of this substance which has no flavor, but which enhances the flavor of other foods.

Answer: MSG or monosodium glutamate

8. General George Patton wanted to court-martial him, but that didn't prevent him from receiving his first Pulitzer Prize before he was 23. FTP, name the creator of Willie and Joe, two tired dogfaces in World War II.

Answer: Bill Mauldin

9. France conquered Algeria during his reign, and he cooperated with Britain in support of Belgian independence. The February Revolution forced him to abdicate the throne. FTP, who was the only ruler of the House of Bourbon-Orleans, known as the Citizen King?

Answer: Louis Philippe

10. It can be represented as the series one MINUS  $x^2$  over two factorial PLUS  $x^4$  over four factorial MINUS  $x^6$  over six factorial and so on. It is also defined in a right triangle for one of the acute angles as the ratio of the length of the side adjacent to the length of the hypotenuse. FTP, what is this trigonometric ratio?

Answer: cosine

11. Though European, his two most famous films take place in Peru. FTP, name the director who made a film about a man who wishes to bring opera to the primitive tribes, Fitzcarraldo, and a film about a conquistador's search for El Dorado, Aguirre, Wrath of God.

Answer: Werner Herzog

12. With an 1,100 pound warhead and a 57-mile range, it is one of today's most feared weapons. Iran is building a permanent launch site which will be operational this fall to fire it with only 5 minutes notice. FTP, name this missile manufactured in a Communist country.

Answer: the Silkworm

13. (RLM 1153.3) In 1981 he wrote a sequel entitled Peace Breaks Out which was not well received. The original novel, published in 1960, was about the friendship and treachery of two boys at a boarding school during World War II, and was entitled A Separate Peace. FTP, name this American novelist.

Answer; John Knowles

14. In law it was originally the specific kind of assault where a person was injured so as to diminish his capacity for self-defense, such as cutting off an arm or leg. FTP, what is the legal name for this crime?

Answer: mayhem

15. It's a fundamental constant of atomic physics. It appears in formulas describing the wavelengths or frequencies of light in various series of spectral lines. The value is based on the premise that the nucleus of the atom emitting light is exceedingly massive compared with a single orbiting electron. FTP, name this constant, named for a Swedish physicist.

Answer: Rydberg Constant

16. The first engagement, on Sept. 19, was the Battle of Freeman's Farm. The second engagement, on Oct. 7, was the Battle of Bennis Heights, and it included a fierce counterattack by Gen. Benedict Arnold. The opposing generals were Gates and Burgoyne. FTP, give the common name of these two battles, often called the turning point of the American Revolution.

Answer: Saratoga

✓ 17. (RLM 1153.2) His Quintet for Winds of 1924 was the first large-scale work done with the 12-tone scale. He composed the opera Moses and Aaron and the Ode to Napoleon. FTP, name this Austrian-born composer who fled Europe in 1933 and came to the United States.

Answer: Arnold Schoenberg

18. After winning the Stalin Peace Prize in 1952, this Columbia University law school graduate, moved to England and then East Germany. His final years were spent in seclusion in Philadelphia, where he died in 1976. FTP, name this man who turned from law to acting to socialism after graduating from Princeton, where he is still remembered as an All-American football player.

Answer: Paul Robeson

19. FTP, according to Euler, what does  $e$  raised to the power of  $i$  times  $\pi$  equal?

Answer: negative one

20. Churchill and Roosevelt met TWICE in this city during World War II. The first conference was in August of 1943 and in addition to making plans for the invasion of Europe, they agreed that Lord Mountbatten was to be the supreme Allied commander in the China-Burma-India theater. In September of 1944, they met again to decide on a unified strategic toward Japan. FTP, name this Canadian city.

Answer: Quebec

21. Copernicus is close to Archimedes, but not Tycho; Pythagoras is near Plato, and Jules Verne is kept far away from everybody else. FTP, where are you?

Answer; the moon (accept craters on the moon)

22. Known to the Arabs as Wadi Musa for the stream that flows through it, this ancient rock city was rediscovered by Johann Burckardt in 1812. FTP, name this "rose-red city half as old as time."

Answer: Petra

23. Formed by the confluence of the Tygart and West Fork rivers in Marion County, West Virginia, it flows in a northerly direction past Morgantown into Pennsylvania. For 10 points, name this river which becomes one of the major headwaters of the Ohio in Pittsburgh.

Answer: Monongahela

24. The Aramaic word for translation, it refers to the written Aramaic paraphrases of the Old Testament and is usually printed in the margins of the corresponding part of the Bible. FTP, what is this first translation from the Hebrew of the Old Testament called?

Answer: Targum

#### Bonuses for Norman Kreutter Round

1. (30 pts) "I was drunk the day my Mama got out of prison, /and I went to pick her up in the rain, /But before I could get her in my pickup truck, /She got run over by the damned ole train." So runs Steve Goodman's version of the perfect country song. For 5 points each, name the performer most closely identified with these arguably better country songs.

✓ a. Your Cheatin' Heart

Answer: Hank Williams

✓ b. Coal Miner's Daughter

Answer: Loretta Lynn

~~c. Tumbling Tumbleweeds~~

Answer: ~~Sons of the Pioneers~~

✓ d. Waltz Across Texas

Answer: Ernest Tubbs

X e. T for Texas

Answer: Jimmy Rodgers

✓ f. Coat of Many Colors

Answer: Dolly Parton

✓ g. Great Speckled Bird

Roy Aceff

2. (25 pts) For 5 points apiece, identify these key figures in the "Pentagate" scandal.

X a. The US attorney in Alexandria, Va. who is the prosecutor heading the investigation into the unfolding Pentagon scandal. One friend said "he doesn't have much of a sense of humor."

Answer: Henry Hudson

X b. A former division head at the Space and Naval Warfare Systems Command in the Pentagon, he was convicted on insider trading charges and dismissed by the Navy in 1982. He had been a consultant for Varian Associates and received inside information from his successor, George Stone.

Answer: Mark C. Saunders

X c. The undersecretary of Defense who is the Pentagon acquisition chief and an advocate of Total Quality Management.

Answer: Robert Costello

c. Chairman of the House Armed Services Committee who is conducting hearings on the procurement probe.

Answer: Les Aspin

X d. The controversial former Navy secretary who was the driving force behind the Navy's efforts to streamline the procurement system and to build a 600-ship Navy.

X Answer: John Lehman

3. (30 pts) Give the common FIRST name that all these women share. Identify it on the first clue for 30 pts; on the second for 20; on the third for 15, and on the fourth for 10.

one. "Blank" Maultasch, Countess of Tyrol, and called the "Ugly Duchess" who was Sir John Tenniel's model for the <sup>queen</sup> ~~duchess~~ in his illustrations for Alice in Wonderland.

two. "Blank" of Navarre, sister of King Francis I and author of the Heptameron.

three. "Blank" of Valois, wife of Henry IV of France, whose wedding led to the massacre of Protestants on St. Bartholomew's Day.

four. "Blank" Tudor was queen consort of James IV of Scotland and sister of Henry VIII.

Answer: Margaret

4. (30 pts) FTP each, name the mathematician credited with developing the geometries that are identified by the following postulates.

✓ a. Through a given external point, one and only one line can be drawn parallel to a given line. Answer: Euclid

X b. The sum of the angles in a triangle is greater than 180 degrees and no lines can be drawn through a given external point parallel to given line. Answer: Bernard Riemann

X c. There is a finite upper limit on the area of a triangle and two lines can be drawn through a given external point that are parallel to a given line. Answer: Lobachevsky or Bolyai

5. (25 pts) C.S. Lewis may have meant these works as a Christian allegory, but readers enjoy them anyway. For 5 points apiece, name any 5 of the 7 books in the Chronicles of Narnia series.

Answer: ✓ The Lion, The Witch and the Wardrobe

✓ Prince Caspian

✓ The Silver Chair

✓ The Magician's Nephew

✓ The Voyage of the Dawn Treader

✓ The Horse and His Boy

✓ The Last Battle

6. (30 pts) Answer these questions about July 3, 1988, when a U.S. cruiser shot down an Iranian commercial airliner FTP each.

✓ a. Name the cruiser that shot down Flight 655.

Answer: USS Vincennes

X b. Name the captain of the USS Vincennes.

Answer: Capt. Will Rogers III

X c. Name the Iranian city from which Flight 655 departed.

Answer: Bandar Abbas

7. (20 pts) For 5 points each, identify these former and current world record holders in track and field.

X a. Of the fourteen 9.9 second records set in the 100 meters in 1968, this was the only one which was officially recognized as a world record after 1976. Answer: J. R. Hines

✓ b. the last American to hold the world record in the high jump.

Answer: Dwight Stones

✓ c. The American who is the current world record holder in the triple jump. He set the record June 16, 1985 in Indianapolis.

Answer: W. Banks

X d. The current world record holder in the MILE, running 3:46.3 on July 27, 1985 in Oslo.

Answer: Steve Cram

8. (20 pts) The inclined plane, one of the simple machines, is used to reduce the force that must be applied to raise a load. The mechanical advantage of an inclined plane is the ratio of the load lifted to the force applied. For 20 points, calculate the mechanical advantage of this inclined plane given the following information (some of the facts are, to complicate matters a bit, quite superfluous. The weight to be lifted is 10 kilograms. The length of the plane is 2 meters. The time needed to lift the weight is 5 seconds. The vertical rise of the plane is one meter.

Answer: two (mechanical advantage = length (2) over height (1))

9. (25 pts) This Italian painter's original name was Tommaso Guidi, but he was given the nickname Sloppy Tom because of his careless personal habits. Nevertheless, he is second only to Giotto in the early years of the Florentine renaissance. His undisputed masterpiece are the frescoes, including the Expulsion from Eden and The Tribute Money. For 25 points, name this artist whose works were studied by every major Italian Renaissance painter.

Answer: Masaccio

10. (30 pts) Name these operas for 10 points apiece.

a. The Spanish nobleman Belmont attempts to free his love, Constanze, from the clutches of Osmin. Name this 1782 opera by Mozart.

Answer: The Abduction from the Seraglio

b. Premiered in 1892 and set in Montralto, it features the clown Canio and his unfaithful wife Nedda.

Answer: Il Pagliacci

c. Premiered in Chicago in 1921, this fantasy revolves around the King of Clubs, the Princess Ninetta, and the evil witch Fata Morgana.

Answer: The Love for Three Oranges

11. (30 pts) No doubt Sherlock would cry "Elementary!" to these questions, but FTP each, give the titles to these stories about the Master.

a. the story that introduced Watson and Holmes to the world.

Answer: A Study in Scarlet

b. Irene Adler outwits Holmes and escapes with the incriminating photograph.

Answer: A Scandal in Bohemia

c. Jabey Wilson achieves the dream life of a college bowl player, belonging to an elite club and getting paid for doing nothing but copying out the Encyclopedia Britannica.

Answer: The Red-Headed League

12. (30 pts) Name this vitamin. 30-20-10

one. It is the only vitamin other than biotin that intestinal bacteria are able to synthesize.

two. Found in leafy vegetables, it is also known as naphthoquinone.

three. It enables the liver to synthesize blood clotting factors.

Answer: vitamin K

13. (30 pts) For 15 points apiece, answer the following questions, which have nothing in common with one another (well, nobody ever said that a bonus had to have a leitmotif).

a. Born in 1661, this French nobleman and author of the first calculus text, used the Mean Value Theorem, now named after him, that extends our ability to solve indeterminate limits.

Answer: Guillaume l'Hospital

b. Designed by Sangallo the Younger, with frescoes by the Caraccis, what palace was built in Rome in 1534 for Pope Paul III and is now the home of the French Embassy?

Answer: Farnese Palace

14. (25 pts) The poem "In the Waiting Room" recounts the experiences of the poet as a young girl accompanying her aunt to the dentist's and leafing through a National Geographic. She is struck by the strangeness of the people in the magazine and realizes her own identity: "You are an I, you are an Elizabeth, you are one of them." For 25 points, name the poet who wrote A Cold Spring and won the Pulitzer Prize for North and South, and the National Book Award for her Complete Poems.

Answer: Elizabeth Bishop

15. (30 pts) Name this element. 30-20-10

one. It is a silver gray metal of Group VIb and is used to impart strength to steel and other alloys. It resembles tungsten, but is not found free in nature.

two. Peter Hjelm, a Swede, successfully isolated it in 1782 and named it from a Greek word for lead.

three. It has atomic weight of 95.94 and atomic number of 42.

Answer: molybdenum *molybdenum*

16. (25 pts) He was born in 1762 in Saxony. He first gained fame in 1790 when his anonymously published philosophy article was wrongly attributed to Kant. When Kant found out who did write the article, he offered him a chair of philosophy at Jena. His Addresses to the German People (1808) established him as a leader of liberal nationalism. Although he died in 1815, he became a hero not only to the revolutionaries of 1848 but also to the conservatives of 1871. For 25 points, name this man, who, along with Hegel, was the principal inheritor of the mantle of Kant.

Answer; Johann Fichte *FichtuH*

17. (30 pts) Name this city. 30-20-10

one. It was founded in 1915 as a port to receive Allied supplies for the Russian armies in World War I.

two. About 625 miles north of Leningrad, it is on the Kola Gulf of the Barents Sea.

three. The largest town in the world north of the Arctic Circle, it was a major port of supply for the Russians during World War II.

Answer: Murmansk

18. (20 pts) It was a dualistic religious and philosophical movement of the late Hellenistic and early Christian eras. Much of early Christian doctrine was formulated in reaction to this movement. It taught that the world is ruled by evil archons, among them the deity of the Old Testament. Among its principal works are the two Books of Jeu, and the Apocryphon of John. For 20 points, name this religious movement, which later branched off into Manichaeism.

Answer: Gnosticism

19. (30 pts) For 10 points apiece, name the authors of:

a. the 1954 novel entitled A Fable.

Answer: W. Faulkner

b. the 1848 verse satire, A Fable for Critics

Answer: J. R. Lowell

c. the 1899 Fables in Slang.

Answer: George Ade

20. (20 pts) Answer these questions about the human nervous system for 10 points apiece.

a. A typical neuron cell has threadlike structures that divide and subdivide into ever smaller branches. Shorter than axons, what are they called?

Answer: dendrites

b. Axons are sometimes protected by a myelin sheath. This sheath is interrupted at regular intervals where nerve impulses have to jump along the fiber. What are these areas called?

Answer: nodes of Ranvier