

**3rd Annual Washington University
Gateway Invitational Tournament
Tossups – Round 4
Packet by UM - Rolla/ UMKC**

1. Wolfgang Pauli "invented" the neutrino to explain this process. Physicists knew it was impossible for the created proton and electron to conserve momentum and energy during the splitting of a neutron. For ten points, name this form of radioactive decay in which a neutron splits into a proton, an electron, and an antineutrino.

BETA decay

2. This network began a new online venture with SportsLine USA at about 2:30 A.M. on Wednesday March 5, 1997 with an initial investment of \$100 million of on-air promotions and programming. For ten points, name this network, which David Letterman has stopped making fun of and the main broadcast competition of NBC and ABC.

CBS

3. Hakeem Olajuwon and Machmoud Abdul-Rauf, among others, may have found it difficult to play up to their true potential during the end of January and the beginning of February. They were celebrating a religious holiday at this time. For ten points, name the Muslim obligation that requires fasting during daylight hours during the ninth lunar month.

RAMADAN

4. This artist was a contemporary of William de Kooning and probably the most famous member of the New York School. His style was called "action painting" and he only wanted to be "a part of the painting." For ten points, name this abstract expressionist painter, alias "Jack the Dripper" and painter of "One."

Jackson POLLOCK

5. The Olympics, the Pan-American Games, and the World Collegiate Games all bring together athletes from many nations. A few years ago, Ted Turner Decided he wanted in on the action. For ten points, name the athletic competition first held in Moscow in 1990, that was supposed to bring the people of the U.S. and U.S.S.R. closer together.

The GOODWILL GAMES

6. His fourth symphony is the "Italian," his third symphony is the "Scottish," and his fifth

symphony is the "Reformation." His overtures include *Ruy Blas* and *The Hebrides*. For ten points, name this musician also known for his *A Midsummer Night's Dream*.

Felix MENDELSSOHN

7. This writer took the allegorical tradition of medieval times and made it even more complex. In works such as "*The Shepherd's Calendar*," he devised a stanza that now bears his name. For ten points, name the author of "*The Faerie Queene*."

Edmund SPENSER

8. During his career, he won the inaugural Dubai World Cup, the richest event in his sport, and set a career record for earnings. Since being retired to stud, however, he has gone 0 for 25 in his attempts to impregnate mares. For ten points, name this racehorse who broke Citation's consecutive wins record and whose impotence may cause him to return to the track.

CIGAR

9. If Fred rats on Bob then Fred will be let go. The same is true if Bob rats on Fred. If they both talk, then they each get a harsh sentence. But, if neither talks, then they will each get a slap on the wrist. This type of analysis is often used in economics to predict what people in a market will do. For ten points, name this analysis technique that predicts that Fred, and Bob will each shut up.

GAME THEORY (also accept PRISONER'S DILEMMA)

10. Israel's religious leaders want this fast food chain to stop violating Jewish dietary laws by mixing cheese and meat. The chain is also drawing fire from employment practices violating the Hours of Work and Rest Law, which says that all Israelis must have at least 36 consecutive hours off work, including the Sabbath. For ten points, name this chain, famous for the Big Mac.

MCDONALD'S Corp.

11. In his gospel, one can find sayings such as "Many are called, but few are chosen," "Thou shalt love thy neighbor as thyself," and "Thou art Peter, and upon this rock, I shall build my church." For ten points, name this tax collector turned Apostle.

MATTHEW

12. Its official flower is the Rhododendron; its tree is the western hemlock; its bird, the willow goldfinch; and petrified wood is its official gem. This state is a leading producer of lumber, hops, blueberries, and apples. For ten points, name this state, whose governor is Gary Locke..

WASHINGTON

13. He died in 1858 and is buried in St. Louis, the city in which he and his wife, Harriett, sued Irene Emerson in 1846. The plaintiffs claimed that they were being “wrongly held” since the Emersons had moved to Illinois. The court battle went to the Supreme Court which, for ten points, ruled against this man by denying blacks the rights of citizenship and stating that blacks could not sue in court.

Dred SCOTT

14. In this work, Noah and his family are infested with parasites in order to preserve the species, Methuselah describes baseball, and Adam and Eve determine that water flows downhill. Name this irreverent collection of stories by Mark Twain.

LETTERS FROM THE EARTH

15. He once played in a rock group and his soccer heading ability has impressed some of the soccer players on his beloved Nottingham United team. He took over his political party after the death of John Smith and this year he will attempt to become the first member of his party since James Callahan to be prime minister. For ten points, name this man, the leader of Britain's Labour party.

Tony BLAIR

16. In people with this disorder, the chloride channels of the epithelial tissue are defective or absent. The result is thick mucus in the lungs and intestines. For ten points, name this disease, the most common fatal genetic disorder among caucasians.

CYSTIC FIBROSIS

17. This man was selected by the Chicago Bulls in the 1984 NBA draft, in the tenth round. He was a gold medal winner in that year's Olympic games, possibly prompting the Bulls to believe he could jump as high as he could far. For ten points, name this former world record holder in the 100 meter dash, and four time gold medalist in the long jump.

Carl LEWIS

18. He served as a counsel to Walter Mondale from 1978-1981 before becoming a member of the House of Representatives in 1982. In 1996, he squared off against Dick Zimmer in one of the most expensive Senatorial races. For ten points, name this New Jersey Democrat recently in the news for his "No" vote on the balanced budget amendment, a vote that prevented the bill from passing in the Senate.

Robert TORICELLI

19. On March 1, 1917 the British released this document which led to United States involvement in World War I. It was sent to the German ambassador in Mexico, asking him to try for a treaty with Mexico. For ten points name this infamous letter.

ZIMMERMAN LETTER

20. Jean Rhys was so intrigued by the incomplete story of Bertha Mason Rochester in "*Jane Eyre*" that she decided to write a prequel describing the woman's early life. For ten points, name the work.

WIDE SARGASSO SEA

21. It will give the Giants access to the world of man at the end of all creation. The blowing of a horn will warn the Gods of the Giants' coming across this structure. For ten points, name this structure from Norse mythology, reportedly made of a rainbow and guarded by Heimdall.

BI/FROST Bridge

22. His career batting average was .311, he hit 137 home runs. Many feel that the split-screen was introduced to baseball telecasts to cover his antics on the base paths. Wheaties made him the first person to simultaneously appear on the boxes of all three varieties of the cereal. For ten points, name this Hall-of-Famer who played his first game 50 years ago and to whom Major League Baseball has dedicated the 1997 season to.

Jackie ROBINSON

23. He correctly proposed that the ear, using a type of spectral analysis, deconstructs complex sounds into simple and discrete vibrations that are analyzed by the brain. For ten points, name this German physicist better known for his law which can be written as $V=IR$.

George OHM

24. His first real job was probably as a minor government official in one of the smaller kingdoms of ancient China. He later disdained lofty positions and chided the legalistic nature of Confucianism. For ten points, who is this author of the 81 poems contained in the Tao Te Ching (Dow Day Jing) ?

LAO TZU (Low Zoo) or LAO TZE (Low Zee)

25. Her first major job was editor of McClure's magazine, a great contrast to her rural upbringing in Red Cloud, Nebraska. Name this writer, known for her strong female characters, the author of "*My Antonia*."

Willa CATHER

26. It starts following a bank heist. The culprits are on the run heading for the border. They have kidnaped a hostage who is soon killed. They then take a priest and his family hostage to get them into Mexico. Here they must survive the night fighting vampires and the like. For ten points name this 1996 movie that featured the Gecko brothers, and was directed by Robert Rodriguez.

FROM DUSK TILL DAWN

27. This man is a former Commerce Department official and is the top Democratic National Committee fundraiser. He is currently at the center of the foreign contributions controversy. For ten points, name this former employee of the Lippo Group.

John HUANG

28. He was a homesteader in North Dakota, a Harvard graduate, police commissioner of New York, and Assistant Secretary of the Navy. For ten points name this president of the united states

1. Three Mile Island nuclear accident.

1979

2. Scottboro defendents arrested.

1931

3. Sputnik launched

1957

27. (30 points) Answer the following questions about a 1996 murder, for fifteen points each.

1. Give the name of the wheelchair-bound multi-millionaire found "guilty but mentally ill" for the murder of an Olympic wrestler.

John DU PONT

2. Give the name of the wrestler who was murdered by John du Pont

David SCHULTZ

28. (30 points) Name the African country given the countries that border it, for 15 points each.

1. Zambia, Mozambique, South Africa, Botswana, Namibia

Zimbabwe

2. Somalia, Ethiopia, Sudan, Uganda, Tanzania

Kenya

30. (30 points) After the merger of these two giants in the computer industry, their stock fell significantly. For 15 points each name these two companies, one known for its network cards, the other for its modems.

3-COM

U.S. Robotics

who claimed office upon the assassination of McKinley

Theodore ROOSEVELT

Prompt on: ROOSEVELT

29. It contains the D-loop, the T-Psi-C loop, a variable loop, the anticodon loop, and an acceptor stem. It binds to an amino acid and carries it to the correct location on a growing peptide chain. For ten points, name this type of RNA, used in protein synthesis.

Transfer RNA

30. The common species of this mammal, *Erinaceus europaeus*, is a nocturnal animal that is found mainly in Europe and Asia. It has multiple spines that are used for protection and the animal's entire body can be covered by the spiny portion, a fact known to many video gamers. For ten points, name this mammal whose most famous fictional representative may be Sonic.

HEDGEHOGs