

**1997 Carleton/Minnesota Deep Bench Tournament**  
**Tossups by University of Michigan**

1. This group's work culminated in the drafting of a treaty drawn up in Oslo, and signed by 89 nations. Championed by Princess Diana, although not by the U.S., Russia, or China—FTP—what group headed by Jody Williams earned the 1997 Nobel Peace Prize?

answer:     \_ICBL\_ or \_International Campaign\_ to \_Ban Landmines\_

2. A staunch advocate for a large and modern nuclear navy, the CVN-74 Nuclear Aircraft Carrier is named for him. When he retired in 1989, his 42 year tenure in the Senate was the second longest in U.S. history. FTP—name this former President Pro Tem of the Senate and Democrat from Mississippi.

answer:     John C. \_Stennis\_

3. His patriotic play *The Burgomaster of Stilmonde* explores the problems Flanders had under the wartime rule of an unruly German officer. His prose works include *The Treasure of the Humble*, *The Life of the Bee*, and *The Intelligence of Flowers*. More famous is his Symbolist masterpiece *Pelleas and Melisande*. FTP—name this 1911 Nobel laureate from Belgium.

answer:     Maurice \_Maeterlinck\_

4. He finished second to Tom Barasso in 1984's Rookie of the Year voting, and has won only one major NHL individual award in his career. Yet he is considered one of the greatest leaders in sports today, and is starting a twelfth straight season as his team's captain—tying him for the longest such streak in NHL history. In 1997 he finally lost the title of "best player never to win a championship." FTP—name this Red Wings' center.

answer:     Steve \_Yzerman\_

5. On a titration curve for many amino acids such as glycine, this point lies between the pKa1 and pKa2. If you placed a mixture of proteins in an electric field in a gel with a pH gradient, the proteins will migrate until they reach the point at which their pH is equal to this point. FTP -- name this point which is the pH at which a protein's net charge is zero.

answer:     \_Isoelectric\_ point

6. Its validity has been challenged by the existence of anomalies such as the January effect, the Value-Line enigma, the Closed-end fund puzzle and Post-earnings announcement Drift. FTP, identify this hypothesis, whose semi-strong form states that an investor cannot earn excess returns by any trading strategy that makes use of publicly available information.

answer:     The \_Efficient Market\_ hypothesis

7. It is rare that a band defunct for twelve years has a resurgence without reuniting, but this trio has managed. Mel Gibson quotes lyrics from one of their greatest hits in *Conspiracy Theory*, while in July their former lead singer and bass player signed one of the richest songwriting royalties contracts in rock history with EMI. But it was Sean "Puffy" Combs' use of one of their songs as the basis for his tribute to the Notorious B.I.G. which really did the trick. FTP—Name the British band whose hits included "Every Breath You Take."

answer:     The Police

8. Deserts in this state include the Gibson and the Great Victoria, while the Hamersley Range dominates the northwest. Bordered by the Arafura Sea, the Timor Sea, the Indian Ocean, and the Great Australian Bight; Nullarbor Plain and the Great Sandy Desert also are located here. FTP, identify this Australian state, which borders the Northern Territory and South Australia, and whose capital is Perth.

answer:     Western Australia

9. His political career included a stint as a state Attorney General, followed by two terms as a U.S. Senator. Later serving as a Vice-President, he called for many legislative reforms, such as oversight of the CIA. But he had a rough go when he ran for President, winning the smallest percentage of electoral votes for a major party candidate in the 20th Century, after announcing that he honestly felt that taxes would have to be raised across the board. FTP—name this Democrat later appointed U.S. Ambassador to Japan.

answer:     Walter Mondale

10. On his way from Troezen (TROY-zen) to Athens, he undertook to rid the road of bandits. Among his victims were Periphetes, Sinis, Sciron, and Procrustes. Upon arrival in Athens, he was united with his father, Aegeus. FTP, who is this Greek mythological hero, who is more famous for his later exploits in Crete's Labyrinth involving the Minotaur?

answer:     Theseus

11. This poet became an officer in the Roman army which eventually led him into an administrative career under the emperor Domitian. His work was largely forgotten until the Christian propagandist Tertullian rediscovered his work circa A.D. 200. His work deals with Roman life under the emperors Domitian, Nerva, Trajan, and Hadrian. FTP -- name this poet most famous for his satires.

answer:     Juvenal

12. The first offer was for 21 billion dollars in stocks, the second for \$30 billion in stocks and cash, and the third for \$28 billion all in cash. Respectively, these bids were made by British Telecom, WorldCom, and GTE. FTP, what long-distance phone service company are these corporations trying to purchase?

answer:     MCI Communications Corporation

13. On his world famous experimental farm in Santa Rosa, California, he utilized revolutionary breeding methods to develop more than 800 new strains and variety of plants. His method consisted of obtaining good seedlings by gathering multiple crosses of foreign and native strains that were then grafted onto mature plants. FTP-- name this U.S. horticulturist who shared his name with a Los Angeles suburb.

answer: Luther \_Burbank\_

14. Marianne's first romantic infatuation comes to a crashing end when the true character of Willoughby is revealed. Sinking into an illness, Marianne nearly dies, but recovers to new wisdom, and to the love of Colonel Brandon. Meanwhile, the steadier sister, Elinor, loves but one man, Edward Ferrars, and they too eventually marry. FTP -- the contrasting natures of the Dashwood sisters form the basis for which novel by Jane Austen?

answer: \_Sense and Sensibility\_

15. When he enlisted in the Naval Air Corps in 1942, he was found to have 20/10 vision, the best in his combat group. During the Korean Conflict he re-enlisted in the Marines and served quite often as John Glenn's wingman. While his military heroics are noteworthy, it is his prowess in the batter's box that made him a legend. FTP-name this "Kid" who hit 521 homers and batted .344 for his career—spent entirely with the Boston Red Sox.

answer: Ted \_Williams\_

16. They can be produced by the pyrolysis of acids or their salts, as well as by the dehydrogenization or oxidation of secondary alcohols. Aromatic ones can be made by reacting acid chlorides and benzene, while the oxidation of cumene and hydrolysis yields the simplest one. FTP, identify this class of organic compounds, which contain a carbonyl group linked to two carbon atoms, and whose name derives from the simplest, acetone.

answer: \_ketone\_s

17. "Effect of Ale, Garlic, and Soured Cream on the Appetite of Leeches", "Lighting a Charcoal Grill with Liquid Oxygen", and "Transmission of Gonorrhea Through an Inflatable Doll", were among the winners of, FTP, what not so honorable prize for the some of the zaniest research projects world-wide, given by The Annals of Improbable Research?

answer: The \_Ig-Nobel\_Prize

18. They were influenced by Ruisdael, Michel, and Corot. In their insistence on painting on the spot, they affected the Impressionists; however, their goal was to render peasant life as it actually was. FTP, name this group of French painters, led by Theodore Rousseau, Diaz, and Miller, and name for a village in the forest of Fontainebleau.

answer: \_Barbizon\_school

19. He helped co-ordinate the Berlin Airlift in 1948, then became director of the Strategic Air Command, and eventually Air Force Chief of Staff. His career fell on tough times during the McNamara years at the Pentagon, where he argued against "flexible response" and saw several of his pet projects rejected or redirected. FTP-name this general nicknamed the "Iron Eagle," whose 1965 retirement was followed three years later by a run for national office as George Wallace's running mate.

answer: Curtis E(merson) \_LeMay\_

20. This philosophical and theological movement was sparked in the Middle Ages by a desire among some members of the Christian clergy to reconcile human reason and Christian faith. Its leading figure was Thomas Aquinas, who argued that classical philosophy, especially that of Aristotle, was not only compatible with Christianity, but in some ways supported and enhanced it. FTP, what learned-sounding name is given this movement?

answer: \_scholasticism\_

21. This form of radiation consists of high speed particles which are about 86% hydrogen nuclei, 12% helium nuclei, and 2% positrons and electrons. Stars have been known to generate them, as does the sun, but they are mainly emitted by supernovas and pulsars. First discovered in 1911 by Victor Hess, who won the 1936 Nobel Prize for Physics for his discovery—FTP—name this type of radiation that can damage electronic equipment.

answer: \_Cosmic Rays\_

22. This short story was published in *Hound and Horn* magazine in 1930. Set in Mexico during the Mexican Revolution, it concerns the attempts of Laura, an American teacher of Indian children, and secret worker for the revolutionary cause, to rationalize her actions as she loses her ideals. FTP -- name this work by Katherine Anne Porter, with a title that isn't, but might have been, "Blooming Iscariot."

answer: \_Flowering Judas\_

23. The title character will marry anyone who can solve her three riddles, but will kill anyone who tries and fails. Calaf, son of Tamerlaine, solves them, and when she tries to back out, he offers to release her if she can find out his name before morning. After she does so, she falls in love and marries him anyway. FTP, what is this unfinished opera by Puccini, which contains the famous aria "Nessun Dorma"?

answer: \_Turandot\_

24. Included in the territory of this country are the islands of Socatra, the Brothers, Kamoran, and Berim. Though it is comparatively rich in such mineral resources as iron, coal, oil, and uranium, the main exports of this Near Eastern nation are agricultural products such as coffee, which was first discovered there. FTP, name this nation bordered by Saudi Arabia and Oman, whose northern and southern states united in 1990, and whose principal cities are Sana and Aden.

answer: \_Yemen\_

-----  
TIEBREAKER: This is the preferred concentration unit in studies that involve changes in temperature, since it is defined as a ratio. Abbreviated with a lower case m, it is defined as the number of moles of solute dissolved in 1 kg of solvent. FTP, what is this physical chemistry term, not to be confused with molarity?

answer: \_molality\_  
-----

EXTRAS:

26. Their South African-born lead singer was a bartender in a southern college town when he met saxophonist Leroi Moore. They then recruited a drummer who lived down the street, and a 16 year-old prodigy of a bassist. Finally, they recruited a violinist who gained a "Cavalier" reputation around the frat houses in town. The band released an initially little heard independent live EP, *Remember Two Things*, then went big time after their first RCA release, *Under the Table and Dreaming* went quadruple-platinum. FTP-name this Grammy winning group eponymously dubbed "Band."

answer: \_Dave Matthews Band\_

27. Called a "fork-tailed devil" and the "workhorse of the Army Air Corps," the original versions of this plane were used for ground attacks, night missions and reconnaissance. Statistically, it "splashed" more Japanese fighters than its much celebrated brother, the P-51 Mustang. So, it is not surprising that when Lockheed introduced the new F-22, they honored their old model by naming it after one of their most successful lines. FTP-name this aircraft which received its nickname for being the fastest model in service when it was introduced.

answer: P-38 \_Lightning\_

28. He was ordained in 1727, and immediately given the position of co-minister, sharing the position with his grandfather. He went on to eclipse all other ministers of his time, ending his career as president of what would become Princeton. FTP, name this New England preacher, famous for his dramatic sermon "Sinners in the hands of an angry God."

answer: Jonathan \_Edwards\_

29. Before there was Fox Mulder, he was the original 90's mystical FBI agent. His encounters with the strange and unusual came in dreams with dancing midgets who spoke backward. And while this one wasn't chasing down aliens and government conspiracies, he was trying single-handedly to solve a murder plaguing the small northwestern logging town of Twin Peaks. FTP-name this FBI agent played by Kyle McLaughlin.

answer: Special Agent Dale \_Cooper\_ (prompt on early Kyle McLaughlin)



Minnesota A 1997 Deep Bench

1. His first work of fiction in seven years features no plot to speak of and no characters other than his recurring alter ego, Kilgore Trout. The new work, "Timequake," continues his wrestling with World War II experiences and loss of loved ones as covered in a celebrated earlier novel. For ten points, name this 74-year-old native son of Indiana who wrote "Slaughterhouse 5."

A: Kurt VONNEGUT

2. When light passes from one medium to another, the incident ray changes direction at the boundary between the two media. The angle of incidence can be written as an equation that is directly proportional between the indexes of refraction of the two media and the angles of incidence within the two media. FTP, name this law which can be written shorthand as  $n_1 \sin \theta_1 = n_2 \sin \theta_2$  where  $n_1$  and  $n_2$  are the indexes of refraction of two different media.

A: SNELL'S LAW (note: read  $n_1$  as 'n-one', etc.)

3. He was born near Nîmes, France in 1712 and spent most of his life in service of the French army. After serving in the War of Austrian Succession, he was sent to New France where he served as major general in command of French troops in the French and Indian War. FTP, name the general who died on the battlefield in September 1759 while facing the troops of James Wolfe.

A: Louis Joseph Marquis de MONTCALM de Saint-Veran (acc: MARQUIS DE MONTCALM)

4. This river drains into the Indian Ocean at Encounter Bay. With its main tributaries, the Darling and the Murrumbidgee, it drains approximately a one million square kilometer area and forms most of the border between New South Wales and Victoria. FTP, name this river, Australia's longest.

A: MURRAY River

5. This ancient book was written around 586 BC, approximately the same time as the fall of Jerusalem to the Babylonians. It is mostly written in anger towards the Israelite neighbors, particularly Edom, to whom the author predicts its downfall. In the final half of the book, the author predicts the return of Jews to Israel and a divine vindication for their exile. FTP, name this biblical book, the shortest of the Old Testament.

A: OBADIAH

6. This musical group began out in San Jose, California as a trio named Pud. However, with a new name and introduction of a twin-guitar, twin-percussionist sound, and a drug-related name, this group was destined to hit the 70s music scene big. But by the time their music hit the charts, their sound in songs like "Black Water" and "Jesus Is Just Alright" sounded like every other 70's band. FTP, name this under-appreciated group with songs like "China Grove" and "Listen to the Music"

A: The DOOBIE BROTHERS

7. Noted for his use of bold primary colors, starting with his 1905 painting entitled "The Green Line," this artist also illustrated many books including "Jazz" in 1947 and designed the Chapel Sainte Sault Marie Rosaire. In the Chapel he used brilliantly colored stained glass windows as a contrast to simple murals on black and white tiles. FTP, name this artist, who, with two other students of Gustave Moreau, founded Fauvism.

A: Henri MATISSE

8. Despite their common cause, Che Guevara disliked this one time guerrilla intensely, once deriding him as the "Gucci revolutionary" during their struggle in the aftermath of the assassination of Patrick Lumumba. FTP, name this one time Marxist who took thirty years to finally topple Mombutu Sese-Seko.

A: Laurent KABILA

9. This class of chemical reactants is named after its founder, who won the Nobel Prize for Chemistry in 1912. A similar class of reagents utilizes lithium metal instead of magnesium although the reaction of this reagent takes place in ether, forming a carbon-carbon bond in place of a halide group. FTP, name this class of organ metallic compounds that is written in chemical shorthand as R-Mg-X.

A: GRIGNARD (pronounced gring-yard) Reagent

10. Originally from Italy, it first rose to great popularity in Britain and France in the mid-1800's and is now commonly found in European casinos. Played with three to six standard 52 card decks, two "punters" and one "banker," who deals from a box called a shoe compete to get a total count of 9. FTP, name this card game where every face card is counted as zero.

A: BACCARAT or BACCARA

11. Despised by the people of Rome because of its massive size and the amount of space it took up in the city, this palace was mostly destroyed soon after its builder died with the manmade lake in the garden being filled in and becoming the site for the Coliseum. FTP, name this famous

residence whose only major surviving room is the Octagonal Hall and which was built by Nero.

A: the GOLDEN HOUSE (accept Golden Palace)

12. He was born in 1873 in Merton, Devon with the surname Hueffer, but he changed it after serving with the British Army in World War One. His greatest contribution to literature was probably as editor of the Transatlantic Review and founder of English Review where he helped

launch the careers of Ezra Pound, T.S. Eliot, D.H. Lawrence, James Joyce and Ernest Hemingway. FTP, name this editor and writer of The Good Soldier who shares a surname with a classic film director and an automobile magnate.

A: Ford Madox FORD

13. Being an illegitimate child, he was imprisoned by his father's widow in the Frankish kingdom of Austrasia. However, he escaped and led his kingdom to conquer Neustria, becoming the undisputed leader of the Franks. His victory over the Muslims in 732 at Poitiers stopped the spread of Islam into Europe. FTP, name this Carolingian ruler, son of Pepin of Herstal and grandfather of Charlemagne.

A: CHARLES MARTEL

14. According to one poet, she wondered how the pot-bellied Buddha would be willing to pose without wearing a shirt. She also attended 19 colleges and universities in 1997, greeting students at local stores in their school colors. For ten points, name this doll sold by Mattel.

A: BARBIE

15. A strain of staphylococcus aureus was found in Michigan that is resistant to the strongest versions of this class of drugs. For ten points, name the drugs that have been used to kill harmful bacteria since a 1928 lab culture featured a growth of mold.

A: ANTIBIOTICS

16. He won more Grammys than any performer, even if he does look like "a spastic stork, bending and rearing convulsively", as William Barry Furlong described him. For ten points, name this Hungarian conductor who died in September 1997, just before his scheduled 1000th performance with the Chicago Symphony.

A: Sir Georg SOLTI

17. After flying into Ruzyně airport, you take a taxi to the west side of the city so you can get on the funicular in order to go up to the top of Petrín Hill, where you can see St. Vitus Cathedral, St. George's Basilica and Wenceslas Square. FTP, in what city, home to hundreds of trendy twenty-something American ex-patriates, are you in?

A: PRAGUE

18. Kesh, long uncut hair; kangha, a comb to keep the hair in place; kirpan, a sword of varying length; kara, a steel bracelet worn on the right wrist; and kachas, shorts worn as underwear; are the five K's of the khalsa, a religious brotherhood. This brotherhood is bound by common uniforms, discipline, and allegiance to the Guru of FTP, what Indian religion.

A: SIKH or SIKHISM

19. "Medicine," "Love is Not Concerned," and "For Two Who Slipped Away Almost Entirely" are all poems by this African American Woman. "In Search of Our Mothers Gardens" is a famous essay by her. FTP-Name this author of such works as "The Third Life of Grange Copeland," "Meridian," and "Possessing the Secret of Joy."

A: Alice WALKER



20. The forces of this city were able to permanently break the power of Sparta in the battles of Leuctra and Mantinea. In one skirmish everyone of its soldiers were killed fighting the Macedonians under Philip and Alexander at Charonea. Later Alexander destroyed this city except the house of the poet Pindar after it led a revolt against him. FTP, name this city founded by Cadmus.

A: THEBES

21. Normally a bunch of pictures isn't worldwide news, but Andreas Schleuter's gallery gained attention for holding the first German exhibition of this photographer since World War II. For ten points, name the photographer, better known for "Triumph of the Will", a documentary about the Nazi movement.

A: Leni RIEFENSTAHL

22. This team thought so much of the job done by the offensive coordinator for the Jacksonville Jaguars that they hired him as the replacement for Bobby Ross. FTP, name this team coached now by Kevin Gilbride and only two years removed from a berth in the Super Bowl.

A: San Diego CHARGERS

23. Although he helped confirm theories about the permanence and stability of the solar system, scientifically explained many inconsistencies and irregularities of planetary orbits, discovered and described the ebb and flow of tides, he is much better known for one of his mathematical contributions. FTP, name the creator and namesake of the formula that converts a function from the time domain to the frequency domain.

A: Pierre-Simon LAPLACE

24. Uralian emeralds and Cape rubies are actually this type of mineral, commonly found in metamorphic rocks. First used by Egyptians, it is now mainly mined from Gore Mountain in New York and has many industrial uses. FTP, name this mineral, which could be bought by the truckload by a certain professional athlete who just signed one of the richest contracts ever in sports history.

A: GARNET

25. At the age of 24, he co-founded and edited the Kennebec Journal, a crusading Republican newspaper. Two years later he attended the first national convention for the newly founded Republican party, which he would miss very few time for the rest of his life. FTP name this politician who lost the Republican presidential nominations in 1876 and 1880, but won it in 1884 only to lose the Presidency by a narrow margin to Grover Cleveland.

A: James G. BLAINE

26. Kenneth Tynan bastardized a French phrase, which roughly translated means, "What a lovely ass you've got!" to form the name of this play. FAQTP, name this play much better known for the fact that not one cast member wears one stitch of clothing.

A: OH, CALCUTTA!