

TOSSUPS – SHOOTOUT #3**SWORD BOWL 2004 -- UT-CHATTANOOGA****Questions by CWRU, Chicago, Pitt, Rochester, Rutgers-New Brunswick, Rutgers-Newark,**

1. In one legend he served as King Harald's charioteer and he would often wander the earth in disguise under the epithet "Gangleri." With Rind he gave birth to Vali, while his brothers include Vili and Ve. He resides in Valaskjalf where he survives on wine, and when he dies he will be avenged by Vidar. As god of wisdom he hung himself from Yggdrasil for nine days to gain insight and sacrificed one of his eyes to Mimir's well to gain foresight. FTP identify this Norse deity who owns the magic ring Draupnir, wields the spear Gungnir in battle, and rides the eight-legged steed Sleipnir.

Answer: **Odin** or **Wodan** or **Wotan**

2. It consists of two beams of light that interfere, in contrast to the Fabre-Perot interferometer which interferes a semi-infinite number of beams. A beam splitter is used to divide the beam into two paths of different lengths, which are then bounced off mirrors and recombined into a single, interfering beam. FTP, name this type of interferometer, first used to disprove the existence of ether in the Nobel Prize-winning experiment by its namesake and Edward Morley.

Answer: **Michelson** Interferometer

3. The two dynasties established by these people, Bahri and Burji, took their names from the quarters where the troops that seized power had been stationed. The formal transfer of power to their own ranks occurred through the Ayyubid sultan's last wife, Shajar ad-Durr, who married their general Aybak. FTP, name these rulers of Egypt, brought over by As-Salih, the last Ayyubid sultan, as slaves from foreign lands in order to protect his own position.

Answer: **Mamluks**

4. Completed in 1880, it was not quite the monumental work that its author had envisioned. Its first title was "The Atheist" and one of its sections is often published as a separate philosophical treatise, "The Legend of the Grand Inquisitor." For 10 points, name this final work of Fyodor Dostoevsky, whose plot revolves around the murder of Smerdyakov's, Alyosha's, Dmitri's, and Ivan's father.

Answer: *The* **Brothers Karamazov** or **Bratya Karamazovy**

5. First human habitation here occurred as early as 2000 BC, when the ancestors of chamorro race settled there. First contact with western peoples was in 1521, when Magellan landed there for replenishment of supplies. From then on, possession of the island changed several times, first from the Spanish, to U.S., to Japan, and finally to the U.S. again. Name this island nation, which to this day remains the site of an important U.S. military outpost, and whose population has American citizenship status.

Answer: **Guam**

6. After making a small fortune extracting sal ammoniac with his partner James Davie, this gentleman farmer moved from Berwickshire to Edinburgh to pursue science. Though his most influential work was popularized by John Playfair, many of his ideas were dismissed by the followers of Abraham Werner or overshadowed by supporters of catastrophism. He argued that changes in the earth's surface that occurred in past geologic time can be attributed to the same causes as changes now being produced in works like 1795's *Theory of the Earth*. FTP identify this founder of uniformitarianism whose work was later popularized by Charles Lyell.

Answer: James **Hutton**

7. It originally only contained 57,000 seats when it was first built in 1922 by Myron Hunt. As the demand for seating increased, it was eventually designed to hold 100,000 people. Over the years, it has hosted 5 Super Bowls and the championship game for both the 1994 Men's Soccer World Cup and the 1999 Women's Soccer World Cup. FTP, name this football stadium, which traditionally hosts the college bowl game between the Big-10 and PAC-10 conference champions.

Answer: the **Rose Bowl**

8. She tries to set up her new friend Harriet Smith with Mr. Elton, but he instead proposes to her. She then falls for Frank Churchill, despite the advice of her older, wiser friend George Knightly. Eventually she realizes that Mr. Knightly has been protective of her because he has affections for her, then realizes that his feelings are reciprocated. FTP, name this heroine, a creation of Jane Austen.

Answer: **Emma** Woodhouse

9. We see five people sitting around the table. The fourth person from the left is holding one of the title objects as the two people sitting beside her are having the title objects as their supper. FTP, name this Van Gogh painting, one of his early works that features a group of people having the title object as their dinner.

Answer: **The Potato Eaters**

10. His diplomatic efforts to resolve the 1863 Polish Revolution, weakened by the positions of England and Austria, strained his relations with Russia. By entering an agreement at Villafranca with Austria after a victory at Solferino, he reneged on an agreement with Cavour to drive Austria out of Italy. Better known for installing Maximilian as emperor of Mexico—for 10 points—name this man, exiled after the Franco-Prussian War, who led France's Second Empire.

Answer: **Napoléon III** or (Charles-) **Louis-Napoléon** Bonaparte

11. Not satisfied with staying in Minnesota, the protagonist travels with his wealthy mother, Beatrice, around the country until he enters the fictional St. Regis prep school. He then attends Princeton but forgoes his degree to join the army...wait a second, this sounds eerily similar to the life of the author. FTP, name this semi-autobiographical work by F. Scott Fitzgerald.

Answer: **This Side of Paradise**

12. Book II includes discusses of “pride and humility,” “love and hatred,” and “the will and direct passions.” Book III is the consideration of “morals” promised in the subtitle of the work, which announces that it is an “attempt to introduce the experimental method of reasoning into moral subjects.” Book I deals with the “understanding” and attacks the notion of causation, while distinguishing ideas and impressions. FTP, name this philosophical work, first published in 1740 by David Hume.

Answer: A **Treatise of Human Nature**

13. Composers tend to love this scale in any key since, quite frankly, it's almost impossible to make it sound bad. The most common scale of this type features a jump of a major third from the third to the fourth degree and a jump of a minor third from the 5th degree to the octave. FTP, name this scale used heavily by Debussy and Ravel that consists of only five notes.

Answer: **pentatonic**

14. This proposal's author saw his sons become generals on opposite sides of the war it was meant to avert. It advocated suppression of the slave trade and slavery in the District of Columbia, and accepted the boundary between free and slave states set by the Missouri Compromise, extending that line to California. It garnered the support of four border state delegations, but its defeat in the House helped lead to the Civil War. For 10 points—name this last-ditch effort by a Kentucky senator to avoid the secession crisis.

Answer: **Crittenden Compromise**

15. Testing for this enzyme has been the main test for pancreatitis. It is produced in both the pancreas and salivary glands to break down long-chain sugars as well as in fruits during ripening to make them sweeter. This small enzyme, a saccaridase, was purified in 1835 from malt by Anselme Payen and Jean Persoz. Catalyzing the hydrolysis of sugars and starches, this enzyme is necessary for the digestion of carbohydrates. FTP, what is this digestive enzyme found in saliva?

Answer: **Amylase**

16. By definition, whenever one exists, it must be an Abelian group under addition and a semigroup under multiplication. Also, there must be a defined identity under addition as well as a defined inverse for all elements under addition and the distributive laws must hold for both addition and multiplication. FTP, name this mathematical set whose name comes from the fact that the first time the name was used, the elements of the set “looped around.”

Answer: **Ring**

17. The sons of a vanquished king attempt to share power by alternating years on the throne; however, at the end of the first year, the king refuses to let his brother have his turn. Enraged, that brother raises an army and tries to conquer the city. Later, their uncle refuses to let their sister bury one of them. FTP, name this Aeschylus work, whose titular characters are Tydeus, Capaneus, Eteoclus, Hippomedon, Parthoenopaeus, Amphiarus, and Polynices.

Answer: The **Seven Against Thebes**

18. At the 1948 Democratic National Convention, he made an impassioned plea for the adoption of a civil rights plank, calling it "172 years late." He was an unsuccessful candidate for the Democratic presidential nomination in 1960 while representing Minnesota in the U.S. Senate. For ten points, name this U.S. vice-president and 1968 Democratic presidential nominee.

Answer: Hubert H(oratio) **Humphrey**

19. Most of the order possesses membranous wings in two pairs with the front wings larger than the back wings. The young develop through complete metamorphosis, eggs deposited by the female's ovipositor, often a modified stinger. Many species in this order are pollinators, necessary for many of our food crops. FTP, name this insect order that includes, wasps, hornets, yellow jackets, and bumblebees.

Answer: **Hymenoptera**

20. His breakthrough book was made into an Oprah-produced ABC film starring Jack Lemmon and Hank Azaria. This Renaissance man is also a sports columnist for the Detroit Free Press and has an eponymous nationally-syndicated radio show. FTP, name the author of The Five People You Meet In Heaven and Tuesdays With Morrie.

Answer: Mitch **Albom**

21. This condition is the most common of the five pervasive developmental disorders. The exact cause is not known, but it has been attributed to genetics, MMR vaccines, exposure to viruses or toxic substances, and an inability to break down the proteins gluten and casein. Its symptoms include socializing problems, difficulty in speaking, sensory over or de-sensitivity, the inability to see the viewpoints of others, and repetitive, useless behavior. FTP, what is this disorder seen in the film Rain Man?

Answer: **Autism**

22. This left-hander's father, a policeman, is 6 foot 7, and his mother is 6 foot 3. Thanks to a trade that sent Otis Thorpe to the Grizzlies, his current team had a lottery pick that allowed them to draft him. Initially Hermofarm, his European team, would not allow him to leave, but he was eventually able to buy out his contract with Hermofarm and sign with the Detroit Pistons. FTP name this 18-year-old, the second overall pick of the 2003 NBA Draft.

Answer: Darko **Milicic** [MIH-lih-chich]

23. He made his start in Hamburg as a second violinist in an opera-house orchestra; soon after landing the job he wrote a *Passion According to St. John*. When composer Reinhard Keiser was unable to complete an opera, this man wrote the libretto; the successful *Almira* made Keiser a bitter rival. Later, in his adopted homeland, Addison and Steele viciously attacked his work. For 10 points—name this composer of *Israel in Egypt* and *Water Music*.

Answer: George Frederick **Handel** or Georg Friedrich **Händel**