

Round 17 1999 Deep bench Team: Dartmouth-Princeton
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TOSSUP 1

The first successful one was based on three energy levels in the Cr³⁺ ion in ruby. A method such as optical pumping is used to create a population inversion, that is, a group of atoms of which the majority are in energy levels above the ground state. FTP, name this device, in which a passing photon induces optical emission from the excited atoms, causing a cascade of monochromatic, coherent light.

Answer: LASER or LIGHT AMPLIFICATION BY STIMULATED EMISSION OF RADIATION

TOSSUP 2

This Massachusetts abolitionist and poet was an associate of William Lloyd Garrison from 1826 to 1843. He penned the lines "Of all sad words of tongue and pen / The saddest are these, It might have been" in his poem "Maud Muller". FTP, name this "Quaker Poet."

Answer: John Greenleaf WHITTIER

TOSSUP 3

It was entirely removed from the brain of H.M., one of Wilder Penfield's most famous patients, in an attempt to stop epileptic seizures. After the operation, H.M. was diagnosed with anterograde amnesia, or the inability to remember new things. FTP, name this, the largest structure of the limbic system, whose name comes from the Greek for "seahorse."

Answer: HIPPOCAMPUS

TOSSUP 4

Born on November 19, 1831 in Cuyahoga County, Ohio, he graduated from Williams College in 1856. He was a major general in the Civil War and served in the U.S. House of Representatives from 1862 until 1880. That year he was elected to the U.S. Senate and nominated by the Republican Party for the Presidency. FTP, name this 20th President of the United States who was shot fatally by Charles Guiteau on July 2, 1881.

Answer: James Abram GARFIELD

TOSSUP 5

This sound class is the only one in English to have the linguistic features "minus consonantal" and "minus syllabic." The two English sounds belonging to it are the only ones that can be combined with vowels to form diphthongs. FTP, name this class of sounds, not quite consonants and not quite vowels, that includes the initial sounds of the words "yes" and "wide."

Answer: GLIDES or SEMI-VOWELS or SEMI-CONSONANTS

TOSSUP 6

This great niece of Henry VIII, who lived a short time under the guardianship of Queen Catherine Parr, was brought into line to inherit the throne from Edward VI by a document known as the "King's Device", which struck both Elizabeth and Mary from the succession. FTP, name this Protestant British queen whose rule was superseded by that of the favored Catholic Mary, daughter of Catherine of Aragon, after only 9 days.

Answer: LADY JANE GREY

TOSSUP 7

Its name derived from Greek words meaning "ox hunger," sufferers of this condition are at risk for gastrointestinal disorders, dehydration, electrolyte imbalance, dental problems resulting from degraded tooth enamel, gum disease, decreased or absent menstruation and, in severe cases, pancreatitis or heart problems. Death, however, is unlikely to result. FTP, name this psychological disorder experienced by an estimated 2-3% of young women, and which is characterized by bouts of food binges alternated with vomiting, exercise, or laxative purges.

ANSWER: BULIMIA Nervosa

TOSSUP 8

This mythical giant Vanir brewed beer for the other gods in a kettle brought to him by Thor. Father to nine daughters and husband to his sister Ran, sea goddess of storms, he was said to sometimes surface to destroy ships. FTP, name this Norse god of the seashore (or ocean) and personification of both the angry and calm sea, whose name is associated with water.

Answer: _AEGIR_

TOSSUP 9

The Authoritative. The Essential. The Indispensible. There's Treasure Everywhere. It's a Magical World. Scientific Progress Goes "Boink." Weirdos From Another Planet. Homicidal Psycho Jungle Cat. Something Under the Bed is Drooling. Attack of the Deranged Mutant Killer Monster Snow Goons. These are all titles of collections of, FTP, what out-of-print comic strip by Bill Watterson?

Answer: _CALVIN AND HOBBS_

TOSSUP 10

Derived from peppers of the Capsicum annum family, this brilliant red spice can range in taste from mild and sweet to hot. The American variety is generally the blandest, and is typically used to garnish fish, cheese, vegetable casseroles and deviled eggs. FTP, name this spice, which is used to flavor goulash and many other Hungarian dishes.

ANSWER: PAPERIKA

TOSSUP 11

He was legal counsel to the American delegation to the Versailles peace conference, and was involved in the establishment of the United Nations, SEATO (SouthEast Asia Treaty Organization), and CENTO (CENTral Treaty Organization). He was instrumental in the conclusion of a peace treaty with Japan in 1951, and his brother was director of the CIA from 1953 to 1961. FTP, name this originator of "brinkmanship" who was Secretary of State from 1953-1959.

Answer: _JOHN_ Foster _DULLES_ [brother is Allen Welsh Dulles]

TOSSUP 12

3M introduces Post-It notes. Grease passes Fiddler on the Roof as the longest playing Broadway show. Voyager I sends pictures of Jupiter back to Earth. The USSR invades Afghanistan. Mother Theresa wins the Nobel Peace Prize. Sony introduces the Walkman. Star Trek: The Motion Picture is released. Ayatollah Khomeini takes control in Iran after the Shah is ousted. All these occurred in, FTP, what year?

Answer: _1979_

TOSSUP 13

Nestled in the Alps above Berchtesgaden ["behrk-TESS-gah-den"], this historic summer retreat recently made headlines in Germany when the Republic of Bavaria suggested that it be turned into a resort. FTP, name the infamous mountain hideaway where Adolf Hitler entertained such guests as Benito Mussolini.

Answer: _EAGLE'S NEST_

TOSSUP 14

An island in the Lesser Antilles, it is an overseas department of France. A volcanic eruption here in 1902, destroying St. Pierre and killing 30,000. FTP, name this island whose capital is Fort-de-France that is home to Mount Pelee ["PAY-lay"].

Answer: _MARTINIQUE_

TOSSUP 15

The self-revealing nature of this poet's work can best be seen in "Daddy", where she compares her German father to a Nazi panzer-man. A mother of two, she committed suicide by gassing herself in an oven after she was left by her husband. A graduate of Smith College, this poet her can be found in collections such as "Winter Trees" and "Ariel". FTP, name this author of "The Bell Jar."

Answer: Sylvia _PLATH_

TOSSUP 16

Mother Earth is a Vicious Crowd. Merica. Meltdown. Top. Operation Spirit. Run to the Water. The Distance. Unsheathed. Pain Lies on the Riverside. Dance With You. Brothers Unaware. The Beauty of Gray. Graze. Pillar of Davidson. Ghost. Tired of "Me." Gas Hed Goes West. The Dolphin's Cry. Lightning Crashes. These are all songs by, FTP, what rock alternative group that just released a new album entitled "The Distance to Here?"

Answer: _LIVE_ [pronounced like the adjective, not the verb]

TOSSUP 17

He was so passionate about the music he loved that he said: "My arteries quiver violently...muscles contract spasmodically...I am giddy and half-fainting." Born in 1803, he was sent to Paris by his father to pursue medicine, but he rebelled and attended the Conservatoire ["con-serve-a-TWAR"] to study music and composition. FTP, name this Romantic composer who put his passion into works like "Romeo and Juliet," and "The Damnation of Faust."

Answer: Louis Hector _BERLIOZ_ ["BEAR-lee-ohz"]

TOSSUP 18

"They shall not pass" was the French battle cry of the Battle of Verdun. This General credited with that line was named a marshal of France in 1918, became Vice Premier in 1940, and, after the defeat of French forces, became chief of state of the Vichy government. FTP, name this man who was sentenced to life in prison after the war and died there at the age of 95 in 1951.

Answer: Henri Philippe _PETAIN_

TOSSUP 19

Named for its inventor, a two-time Noble-Prize-winner, this scale is the one most often used to measure the electronegativity of an atom. FTP, give the name of this scale, which sets fluorine as the most electronegative element with an electronegativity of 4.0, and cesium as the least with 0.7.

Answer: _PAULING_ scale

TOSSUP 20

He arrested after World War II for his pro-fascist radio broadcasts in Italy and confined until 1958. The foremost member of the Anglo-American imagist movement, he gave T.S. Eliot and James Joyce their starts as authors. FTP, name this poet best remembered for his monumental "Cantos."

Answer: Homer Loomis _POUND_ [accept Ezra _POUND_]

TOSSUP 21

This musical by Alain Boublil and Claude-Michel Schonberg, which first showed in a Parisian sports arena in 1980, is a current Broadway staple. Following the life of reformed criminal, this musical examines the lives of the lowest class of France. FTP, name this musical, which is based on Victor Hugo's novel of political and social revolution in nineteenth century France.

Answer: _LES MISERABLES_ ["le miz-er-AB"]

TOSSUP 22

It is said that this Belgian's three "mistresses" were Marxism, psychoanalysis and geology, but he is best known as an anthropologist. His classic studies of North and South American Indian tribes led him to apply the concepts of "structuralism" (a philosophy that stressed the study of relationships instead of isolated, material things) to intercultural investigations of kinship relations and mythology, and to condemn European depredations against American Indians. FTP, name this man, whose works include Tristes Tropiques and The Savage Mind.

ANSWER: Claude LEVI-STRAUSS

TOSSUP 23

Born in New Jersey, but politically prominent in New York, this man was mayor of Buffalo and Governor of New York before running for President. First and only president to get married in the White House, this man married 21 year old Frances Folsom in June 1886. FTP, name this man, who after losing his second race to Benjamin Harrison, became the only president to serve two non-consecutive terms when reelected in 1892.

ANSWER: Grover _CLEVELAND_

If you have heard the audio tossup, stop. If you have not, read #24.

TOSSUP 24

The internet company founded by this former U.S. surgeon general recently came under fire when it was discovered that the company's list of "the most innovative and advanced health care institutions across the country" was composed of paid advertisers. FTP, name the founder who, at 82, is among the older internet millionaires.

Answer: Dr. C. Everett_KOOP_ [company: drkoop.com]