

Deep Bench 2001

Tossups 1 by David Levinson , edited by Jadepearl Anderson

SCIENCE - CHEMISTRY/ PHYSICS

1. Hydrogen, and Oxygen are pumped into their respective halves. Carbon dioxide is introduced Heat encourages CO_3 to form. The CO_3 migrates through the electrolyte. The Hydrogen combines with the CO_3 to produce water and CO_2 . Extra electrons are attracted to the oxygen side and flow from the anode to cathode electrical plates, generating electricity. The water and CO_2 are driven from the system. Electricity results, and no waste products are produced, in for 10 points, what futuristic energy system that may one day power your car and the "Hydrogen Economy".

Answer: Fuel Cell

HISTORY - WORLD

2. This empire was formed around 600 AD in the wake of the collapse of the short-lived Chenla kingdom. It flourished under its Hindu god-kings until the eleventh century when it began to seriously weaken in the face of the expanding Nam-Viet empire in Annam, but managed to survive until around 1300. For 10 points, name this empire, whose King Suryavarman II built the monumental Angkor Wat temple center.

Answer: Khmer Empire

LITERATURE - ENGLISH LANGUAGE (non- US)

3. He successfully sued the Daily Star for libel, they said he lied about a relationship with a prostitute named Monica. However, it turns out he lied during that trial, forging diaries and alibis, and had been caught shoplifting in Canada. Now this conservative party Lord has been sentenced to prison, perhaps giving him time to write more books. For 10 points name this politician and novelist, author of "Kane and Abel", "The Eleventh Commandment", "Honor Among Thieves", and "First Among Equals"

Answer: Jeffrey Archer

SOC. SCIENCE - POLITICAL SCIENCE /LAW / GOVERNMENT

4. He played an evil superbeing disguised as a "Friendly Angel" who had taken over Triacus and persuaded the children to kill all the adults in the Star Trek episode, *And the Children Shall Lead*. The author of the text *Modern Trials* and the so-called 'King of Torts,' he defended Jack Ruby from the charge that he killed Lee Harvey Oswald, on the plea of insanity. While he was unsuccessful, he later won on appeal. For 10 points -- who also sued Union Carbide over the Bhopal incident?

Answer: Melvin Belli

SCIENCE - ENGINEERING/TECHNOLOGY/MATH/COMPUTER SCIENCE

5. A web of many simple processors connected by communication channels that usually carry numeric data. The processors operate only on their local data and on the inputs they receive via the connections. They are trained by adjusting the weights of connections on the basis of data, and can learn to generalize. For 10 points -- name this artificial intelligence technique, a non-linear statistical estimation procedure.

Answer: Artificial Neural Network

LITERATURE - NON-EUROPEAN

6. Written by Miyamoto Musashi, it is a book of Japanese battle strategy from 1645 that is studied today as guide to business plans and tactics in modern Japan and by Americans seeking to emulate their Japanese competitors. For 10 points -- Name this ornamental sounding book that did not inspire the Olympic symbol.

Answer: The Book of Five Rings

HISTORY - AMERICAN

7. Born in Sinepuxent MD in 1779, this naval officer in 1804 captured and burned the frigate Philadelphia in the Barbary Wars. He was on the Court Martial that suspended Captain James Barron for the Chesapeake and Leopard incident. For 10 points -- who defeated the HMS Macedonian in 1812 but surrendered with the USS President in 1815, and was later killed in a duel with Captain Barron?

Answer: Stephen Decatur

SOC. SCIENCE - GEOGRAPHY/DEMOGRAPHY

8. The Atomium, a giant atom to symbolize the nuclear age. The Manneken Pis, a fountain of a little boy urinating. These may be the two best known landmarks of this capital city, which is seeking another to symbolize its position as capital of the European Union. For 10 points, name this Belgian city.

Answer: Brussels

MISCELLANEOUS - GENERAL KNOWLEDGE

9. "I promise you New Muscles in Days" he says, "I turned myself from a 97 lb. weakling into the World's Most Perfectly Developed Man. And I can change your body too". Born Angelo Siciliano, he immigrated to the US in 1903 at the age of 10. For 10 points, name this modern day Hercules who, through his strength building program, has enabled many weaklings to keep sand out of their faces

Answer: Charles Atlas

MISCELLANEOUS - SPORTS/GAMES

10. Mark Nyman, Joel Wapnick, David Boys and Joel Sherman are world champions of this game. Conceived of in 1931 as Criss Cross, a friend of the inventor persuaded him to copyright it in 1948, after taking ten years to finalize the rules. The manufacturer was convinced it would be a short term fad, but -- for 10 points -- what became the second best-selling game of all time?

Answer: Scrabble

LITERATURE - EUROPEAN

11. He played Othello in his class's High School Play at the Lyceum, in 1817 (**) *The Stone Guest*, *Mozart and Solieri*, *The Covetous Night*, and *The Feast during the Plague Year* are four of his short dramatic works in blank verse collectively dubbed "The Little Tragedies." For 10 points what Russian author of "Ruslan and Ludmilla" wrote these "essays of dramatic investigation." before being killed by gunshot wounds from a duel.

Answer: Alexander Pushkin

SCIENCE - GEOLOGY/METEOROLOGY/ENVIRONMENT/ASTRONOMY
SOC. SCIENCE -

12. One of these was used to survey the entire Indian subcontinent and obtain the first accurate measure of the height of Mt. Everest. It consists of a telescope fitted with a spirit level and mounted on a tripod so that it is free to rotate about its vertical and horizontal axes. For 10 points, name this optical instrument used for a number of purposes in surveying, navigation, and meteorology.

Answer: Theodolite

SOCIOLOGY/ARCHEOLOGY/ANTHROPOLOGY/PSYCHOLOGY/LINGUISTICS

13. Accidentally married to the daughter of the King of Ovambo in 1850 while writing his paper on the "measurement of black African ladies bottoms," he returned to England and began testing every known drug on himself, in alphabetical order (stopping at C when he reached Castor Oil). He determined the exact length of rope needed to hang a man without decapitating him, he studied the efficacy of prayer, and drew a map of the "European Belt of Ugly Women". For 10 points -- these are some of the lesser known achievements of what eugenicist and fingerprint expert.

Answer: Sir Francis Galton

MISCELLANEOUS - FRINGE CULTURE

14. Chlorophyll, Lemon, Peppermint, Anise, Orange, Menthol, Coffee, Eucalyptus, Licorice, Lime, Wild Cherry, Grape, Choco, Multi-Flavor, Hot Cinnamon, Strawberry, and Flower Flavor are some of the tastes of this candy product that have been made, though only Grape, Lemon, Orange, Strawberry, and Peppermint are now standard in the United States. For 10 points name this dispensed product, whose dispenser is more valuable than the candy itself.

Answer: Pez

HISTORY - ANCIENT

15. This Roman General and leader of the conservative Senatorial faction was appointed commander against Mithradates VI. In 86 BCE he defeated Mithradates and proceeded to defeat his rivals in the Civil War. For 10 points, who in 82 declared himself dictator, retiring in 79.

Answer: Sulla

HUMANITIES - FILM/VIDEO/STAGE

16. Broadcast from 1954 until the late Seventies, it was sold in two ways - in standard syndication and as a franchise with a different local host in each city. The syndicated version was originally filmed in Baltimore and starred Miss Nancy Claster. She was replaced in 1964 by Claster's daughter, Miss Sally. For 10 points what show ended with the hostess gazing into the 'Magic Mirror' and saying something like "I see AnneMarie, and Chris, and Erik, and Josh and all of you boys and girls out there!"

Answer: Romper Room

LITERATURE - AMERICAN

17. Co-founded by Peter Martin in San Francisco's North Beach district, this anti-establishment and anti-authoritarian venture was the nation's first all-paperback emporium. It was expanded in 1955 to begin publishing works in the "Pocket Poets" series, the fourth of which was Allen Ginsberg's "Howl". For 10 points, identify this bookstore and publishing house, headquarters to the Beat Movement, founded by San Francisco's first Poet Laureate Lawrence Ferlinghetti.

Answer: City Lights

SCIENCE - BIOLOGY

18. Three to Five percent of women of child bearing age have symptoms of Premenstrual Dysphoric Disorder so severe that they interfere with daily life according to Eli Lilly, symptoms that can be relieved by Sarafem, packaged in pink and lavender. Sarafem is a rebranding of this drug, generic name fluoxetine hydrochloride, whose patent would expire in 2007. For 10 points name this anti-depressant that acts on the brain's serotonin levels.

Answer: Prozac

SOC. SCIENCE - ECONOMY/BUSINESS

19. If the I.M.F. and the Treasury Department gave more money to poorly managed countries, both the countries and speculators would feel safe to invest recklessly in the future because they knew they would be bailed out. For 10 points -- what term describes any situation, though usually a financial one, in which risky behavior is encouraged because risk takers believe they will be bailed out of mistakes by a third party.

Answer: Moral Hazard

MISCELLANEOUS - CURRENT EVENTS

20. On the night of February 25th, 1969, he led a team of Navy Seals to Thanh Phong, a village on the Mekong Delta. They found five people on the outskirts of town and executed them. It is claimed they were three children and their grandparents. Then they moved to the village and after expending 1200 rounds, killed 14 or 15 women and children. For 10 points, name the US Senator from Nebraska and one-time Presidential hopeful who led this massacre.

Answer: Robert (Bob) Kerrey [note: not John Kerry]

EXTRAS

HUMANITIES - MUSIC/DANCE

He was born August 10, 1967 in Brisbane Australia, the son of a Olympic swimmer and her coach. His first solo album, in 1989 won Grammy for Album of the year, and 1991 topped the charts with "Fornucopia". However, he was nearly killed two years later in an auto accident. He recovered and was dubbed the New Prince after releasing 1996's Triangle. For 10 points, name this alias and alter ego of Garth Brooks.

Answer: Chris Gaines

HISTORY - EUROPEAN

He negotiated an armistice to the Thirty Years War and built a strong army in the interim, assuring him fair treatment in the Peace of Westphalia. For 10 points, who unified Prussia and secured its sovereignty through a 1657 treaty with Poland?

Answer: Frederick William or Frederick the Great Elector or Elector of Brandenburg

HUMANITIES - ART/ARCHITECTURE

Fernand Leger painted two of them that adorn the General Assembly Hall of the United Nations. Diego Rivera, Clemente Orozco, and David Alfaro Siqueiros all painted these types of large, historical, complex works in post-revolutionary Mexico. For ten points – name this large art form

Answer: Murals

HUMANITIES - PHILOSOPHY/THEOLOGY/EDUCATION

The need to accurately measure lengths in his pendulum researches led him to determine the length of the meter in terms of a wavelength of light. His major work, unfinished was to have been *A System of Logic, Considered as Semiotic*. His work in logic and philosophy of science attempted to place abduction and induction on par with deduction in the scientific method. For 10 points name this versatile scientist, psychologist, mathematician, and philosopher who along with James helped form the Pragmatist movement.

Answer: Charles Sanders Pierce

HUMANITIES - MYTHOLOGY/BIBLES

Today, most of this Jewish community lives in Lithuania and the Crimea, with some members in Istanbul, Cairo, and various Russian cities. Though many of them regard Hebrew as a sacred language for their community, they normally speak a Western Turkic language, which is also sometimes used in services, and their name comes from a Turkish plural form of the Hebrew root meaning “reader” or “expert”. For 10 points, name this sect of Jews, founded in Mesopotamia in the 8th century BC by Anan ben David, who is said to be a direct descendent of the Biblical King David.

Answer: Karaites (Karaim, Karilar)