

Frank - Deep Bench 2000

1. Like neutrinos, they have been suggested as a possible phenomenon to account for the missing "dark matter" in the universe. Also like neutrinos, no incontrovertible evidence for their existence was discovered until recently. They have masses much smaller than the sun, but unlike their white cousins, they never achieve hydrogen burning because their small masses-between 10 and 80 times the mass of Jupiter-are insufficient to ignite the reaction. For ten points, name these dark stars that occupy the far lower right corner of the Hertsprung-Russell diagram.

Answer: **brown dwarfs**

2. Shortly after this musician joined Jay McShann's Kansas City big band, the band was riding to Wichita for a gig when several chickens escaped from a farmer's yard, ran into the road, and were run down by the car. McShann's young recruit demanded that they turn back and salvage the dead "yard birds" for eating later on. Thus goes McShann's account of how that young alto saxophonist got his nickname, "Yardbird"-later shortened to "Bird" from constant use. For ten points, name the alto saxophonist who, with Dizzy Gillespie, is credited with inventing the Bebop style of jazz.

Answer: Charles Christopher ("Charlie") **Parker Jr.**

3. A homeland could have been created for this people after World War I if Britain and France could have agreed on it; they were even promised one in the 1920 Treaty of Sevres. Instead the two superpowers created nation-states in the region formerly ruled by the Turks using the ridiculous straight lines and angles that one can see on a map today, dividing the area this people inhabit between the present nations of Syria, Armenia, Turkey, Iran, and Iraq. For ten points, name the people who Saddam Hussein attacked with chemical weapons in retribution for siding with Iran in the Iran-Iraq war.

Answer: **Kurds**

4. The current holder of this position resides in Himachal Pradesh. The first to bear the title received it in 1578 from Altan Khan. In 1642 Gushri Khan extended the holder's powers to include governing the country as a tributary to the Mongol Empire. As he dies, his soul migrates to the body of a newborn boy, who must then be discovered. Tenzin Gyatso is the current holder of this title; he fled to India in 1959 after an attempt to expel the occupying Chinese. For ten points, give the title that Tibetan Buddhists apply to the winner of the 1989 Nobel Peace Prize.

Answer: (His Holiness, the) **Dalai Lama**

5. His arm is tattooed with the Beatles' line, "You came along to turn on everyone, Sexy Sadie." Sadie is a reference to Sadie Frost, his wife and fellow actor. He and Sadie helped form the Natural Nylon production company. While they used to alternate starring in films, his Oscar nomination for best supporting actor has increased his demand. FTP name this star of The Talented Mr. Ripley and Gattaca?

Answer: Jude **Law**

6. "The main buildings consist of Buddhist structures, such as the Reliquary and the Hosui-in; and residential apartments, such as the Shinden, the Hall of the Lords, the Assembly Hall, the Tenkyo Tower and the Kansetsu Pavilion." The foregoing passage describes the title building of a novel about a stuttering acolyte who burns that building down because he cannot cope with its beauty. For ten points, name the building that is the title of this novel by Mishima Yukio.

Answer: **The Temple of the Golden Pavilion**

7. In 1987 this nation experienced a coup led by Ratu Lieutenant Colonel Sitiveni Rabuka (rom-BOO-kah), which ousted a majority ethnic Indian government and rewrote the constitution. In May 1999 Mahendra Chaudry, an ethnic Indian, was chosen prime minister. A year later the island nation experienced another coup led by a failed businessman, George Speight. Rabuka and the army do not support Speight's coup, and he is now charged with treason. For ten points, name this pacific island nation with capital at Suva.

Answer: **Fiji** (Viti)

8. Through Nicholas Serota's vision and the work of Swiss architects Herzog & de Meuron, Bankside Power Station has been transformed. It now consists of seven stories of gallery space, education facilities, restaurants, and shops. Rather than historical movements, the gallery space is organized by theme: Nude, Landscape, Still Life, and History. Major artists such as Bridget Riley, Bruce Nauman, and Mark Rothko have their own galleries. FTP identify this museum of international contemporary art located on the Thames River across from St. Paul's Cathedral?

Answer: **Tate Modern** (Note: If Tate given, ask for more information)

9. He emigrated from Scotland to New York City as a child, and later to Montreal, where he joined the North West Fur Trading Company. He was the first to explore western North America overland. In 1789 he set out from Fort Chipewyan, on Lake Athabasca, exploring the areas north from Great Slave Lake to the Arctic Ocean up and down a large river. For ten points, name this Scotch-Canadian explorer, after whom that large river is named.

Answer: Sir Alexander **Mackenzie**

10. One of the founders of the field of science studies (also known as the history and philosophy of science), this American's most influential idea was that the sciences develop in a cycle of two phases. First, scientists work within a paradigm, but as that paradigm weakens a new one comes to prominence. There is no logical reasoning behind the progress from one paradigm to another. For ten points, name the author of *The Structure of Scientific Revolutions*.

Answer: Thomas Samuel **Kuhn**

11. After coming to America in 1884 he worked a year for Thomas Edison, then for himself as an independent inventor. Some of his less well-known ideas were wireless radio communication and a method for detecting ships at sea that was later developed into radar. He sold some of his patents to George Westinghouse, including the patent for the induction motor, which Westinghouse used to generate alternating current electricity. For ten points, name this Croatian-American scientist.

Answer: Nikola **Tesla**

12. With a name meaning "chick-pea," you might not think that this Roman would amount to much. Born in 106BC in Arpinum, he made his first appearance in the Roman Courts in 81BC defending Quinctius. Though he relied on Pompey for military support, he rose to the consulate in 63BC. Name this silver-tongued orator of the *Pro Caelio*.

Answer: Marcus Tullius **Cicero**

13. Not since Gopher fans made idiots of themselves on behalf of Joel Pryzbilla have the students and local supporters of a university behaved so ridiculously. After 29 years of bludgeoning his players into submission, throwing chairs at referees, and generally misbehaving, this Indiana University basketball coach was so dignified as to accost an ordinary student and demand more respect. For ten points, name the Hoosiers basketball coach whose 763 all-time wins failed to save him his job.

Answer: Bob **Knight**

14. One joins the Mackenzie about 100 miles from the Arctic Ocean; one flows through Hanoi on its way to the Gulf of Tonkin; a third forms part of the border between Texas and Oklahoma, and a fourth forms the border between Minnesota and North Dakota. For ten points, what chromatic appellation do all four of these rivers share?

Answer: **Red**

15. This four-letter word names world leaders in the fields of sport and cooking, as well as a city of nearly 2 million people. While both men are linked with Italy, the city is located in Asia. For ten points, what is this word that names a member of the NBA's All-Defensive Team, a city just west of Osaka, and the Iron Chef Italian?

Answer: **Kobe**

16. His earliest papers showed that noise in transmission lines came in sequences similar to the Cantor set. It was not until his 1967 paper, "How Long is the Coast of Britain?" that his ideas about what he called "fractals" caught on. For ten points, name the mathematician who articulated fractal geometry as taking place in fractional, rather than whole number, dimensions, and whose set is perhaps the most recognizable fractal.

Answer: Benoit B. **Mandelbrot**

17. Utterly untrained sculptor Korczak Ziolkowski won first prize at the 1939 World's Fair in New York, attracting the attention of Lakota Chief Henry Standing Bear. The chief asked Ziolkowski to design and sculpt a memorial to the victor at the battle of the Little Bighorn. The site chosen for the memorial was in the Black Hills of South Dakota, not far from Mt. Rushmore. At about 600 feet tall, the finished memorial will be about 10 times the size of Mt. Rushmore. For ten points, name the Oglala Chief who the giant sculpture depicts.

Answer: **Crazy Horse** (Tashunca-uitco)

18. In his teens he was a delinquent, and was imprisoned for selling marijuana and for rape. While in prison he educated himself and wrote his memoir. Upon his release in 1966, he joined the Black Panther Party, becoming Minister of Information after Huey Newton was arrested in 1967. In 1968 he fled the United States to escape arrest for parole violations. For ten points, name the militant author of "Soul on Ice."

Answer: Eldridge **Cleaver**

19. Black, Wallace, Peters, Howard, Dallas, Cranch, and Wheaton all officially reported the decisions of this tribunal during the first 80 years of its existence. Cases can be brought to the Court by appeal, certificate of division, writ of error, writ of certiorari, or, rarely, on its original jurisdiction. For ten points, name this court, which has the final word on the interpretation of all laws in the United States.

Answer: The **Supreme Court** of the United States