

Chicago quad
Round 20 1999 Deep Bench

1. Originated by the court physician to Madame de Pompadour, this school of economic thought was a blend of medieval agrarian ideals and modern Enlightenment ideals. Early members included Baudeau, Rivire, and Trosne, and a resurgence by Jacques Turgot maintained the school through the 1780s. They acknowledged the influences of supply and demand on pricing, but maintained that there was a certain fair price, or "bon prix", for every good. For ten points--name this French group, whose name belies their belief in the harmony of natural law and economics.

Answer: **Physiocrats**

2. Seven collegiate titles, 1991 College Player of the Year, 1991 NCAA Champion and 1992 PAC-10 Champion only begin to sum up her career at the University of Arizona. After winning Sweden's most prestigious sports award, Athlete of the Year, in 1995, she joined the LPGA and became the only player since Nancy Lopez to be Player of the Year a year after winning rookie of the year. For ten points--name this golfer, 1998 Player of the Year, who became the first woman to break a season scoring average of 70.

Answer: **Annika Sorenstam**

3. Most have a diameter of about .1 to .3 parsecs, and expand at speeds between 20 and 30 km/s. The central stars within them are very hot, with all about 20,000 K and some even above 100,000 K, among the hottest stars in the galaxy. They are created when red giant stars near the end of their lifetimes and need to eject enough mass to become a white dwarf. For ten points--name these gas shells, the most famous of which is the Ring Nebula in the constellation Lyra.

Answer: **planetary nebula** (prompt on "nebula")

4. When the publisher told its composer that it needed one more variation, its composer simply took the main theme and played it backwards. Thus was created the most famous portion of this piece, a set of variations written on a theme by a violin virtuoso. For ten points--name this work by Sergei Rachmaninoff.

Answer: **Rhapsody on a Theme of Paganini**

5. He is described as being "of the highest degree of middle stature...his eyes dark, and as full of sweetness as of fire." Twenty-one years old, he loves Fanny Goodwill, and is innocently unconscious of being pursued by Mrs. Slipslop, companion of Lady Booby, who also attempts to seduce him. Accompanied by Parson Adams, he progresses through a series of picaresque adventures and finally all ends happily when it is revealed that he is not, after all, Pamela's brother. For ten points--name this title character of a Henry Fielding novel that parodies one of Samuel Richardson's most famous works.

Answer: **Joseph Andrews**

6. A "log" made of this fruit was the only piece uneaten by Mr. Burns when Homer sent him a box of candy so that Mr. Burns would remember his name. It is native to Iran, and some believe that it, not the apple, was the luscious fruit eaten by Eve in Eden. It resembles a pear in appearance but cannot be eaten raw due to its high tannin content. Rich in pectin, it is popular for jams and jellies; thus its Portuguese name, "marmelo," is the root of the word "marmalade." For ten points--name this fruit, featured in "White Men Can't Jump" as one of the foods that begin with the letter Q.

Answer: **quince**

7. In Cambodia a rain ceremony is still performed in which one of these animals is carried in a cage through the village and sprinkled with water at each house; its cries supposedly evoke the pity of Indra who will dispense showers in response. In Welsh lore, one of these, having been bested by the trout Henwen, becomes a plague on the island of Anglesey, while in Buddhism it is reproached, along with the snake, as being the only animal who was unmoved by the death of Buddha. For ten points--what is this curious beast, which can call or nap, look at a king, wear pajamas, and have nine tails or nine lives?

Answer: **domestic cat**

8. It is the result of the dot product of any two orthonormal vectors. Also equivalent to the identity matrix, it can be used to expand a vector into a space given the basis vectors which define that space. Adopted in the late 1800s, it is usually written with two subscripts, j and k for example, whose order is interchangeable as it is symmetric. For ten points--name this mathematical symbol which equals 1 when $j = k$ and 0 when $j \neq k$.

Answer: **Kronecker Delta**

9. He was born in Sverdlovsk, Ukraine on November 3 1973, and scored 79 points on 30 goals and 49 assists in his rookie year. The highest scoring center in his current team's history, he they picked him 2nd overall in the 1992 entry draft. He had a breakout year last year, when his 44 goals and 50 assists put him second in the Hart trophy voting. For ten points name this Ottawa Senator, currently being sued by his team for \$10 million for breach of contract.

Answer: **Alexei Yashin**

10. Herodotus says that this man, upon being shown the vast wealth of Croesus, sagely advised the king that a man could only be counted blessed after seeing in what manner he has ended, not merely by observing his current mode of life. He had made his way to Lydia in the course of a 10-year tour of the world entered on after stepping down from the chief archonship of 594 BC. For ten points--name this Athenian lawgiver, who sought to balance the power of nobles and peasants, whose constitutional reforms laid the foundations for the classical Athenian state.

Answer: **Solon**

11. This singer/songwriter was born in New Haven, Connecticut, but was soon adopted by a family in Winnetka, IL. After attending Oberlin College, she briefly moved to San Francisco, but returned to Chicago. It was at this time that she began making the "Girlysound" home recordings, some of which were eventually collected on Juvenalia. For ten points--name this woman, whose most recent release was "whitechocolatespaceegg".

Answer: **Liz Phair**

12. You lose the ability to taste with the front part of your tongue. You cannot close one eye. You feel an intense pain around the corresponding ear, in which sounds seem to be unusually loud. The muscles on one side of your face become weak, leading you to think that you have suffered a stroke, when--for ten points--you are actually suffering from this disease, a relatively common lesion of the facial nerve.

Answer: **Bell's palsy**

13. "I was not there when they met,--- or, not in the usual Way. I later heard from them how they remember'd meeting," says the narrator as he begins his account of the title characters. The encounter, which takes place at a saloon in Portsmouth, features the Fabulous Jellows, the Learned English Dog, and Dark Hepsie, the Pythoness of the Point. For ten points--name this novel written by Thomas Pynchon and narrated by the Reverend Chokecherry.

Answer: **Mason and Dixon**

14. This work was written in 1888, when its composer was 28. It borrows themes from an earlier song cycle, "Songs of a Wayfarer". Its third movement begins with a bass playing "Frere Jacques" in a minor key. For ten points--give the common name for this symphony written by Gustav Mahler.

Answer: **"Titan" Symphony (prompt on Symphony No. 1)**

15. It was formulated as six Constitutional amendments, by which slavery in the District of Columbia would have been protected from Congressional interference; the principle of popular sovereignty would have allowed the territories to decide the slavery question for themselves; and owners of unreturned runaway slaves were to have been compensated by the government. For ten points--name this last-ditch plan to head off the Civil War, narrowly defeated in the Senate on March 2, 1861.

Answer: **Crittenden Compromise**

16. Nerdy biochemist Paul Matthews has no luck with women until Madame Ruth, played by Anne Bancroft, helps him out. Suddenly, every woman is falling madly in love with him. His friend, animal

psychologist Diane Farrow, discovers his secret, and leagues of men suddenly pursue her. However, they eventually realize, without any magical help, that they only care for each other. For ten points--name this Tate Donovan/Sandra Bullock film that takes its name from a classic Lieber and Stoller song.

Answer: **Love Potion # 9**

17. The final pages of this novel give the reader his last sight of the protagonist, racing madly across a battlefield, singing mindlessly as he disappears into the rain. The opening pages describe his journey to visit his cousin Joachim; intending to stay only a few weeks, he remains for seven years. His fellow residents include Clavdia Chauchat and his mentor Settembrini, who tries to steer him away from the decadent stagnation of the sanatorium and toward the reasonable activity of the world below. These are the adventures of Hans Castorp in--for ten points--what 1924 novel by Thomas Mann?

Answer: The **Magic Mountain** or Der **Zauberberg**

18. This company's recently announced deal with Motorola to provide its Instant Messenger service over Motorola's newest phones and pagers joins other deals made by this company earlier in the year with Palm Computing and Universal Studios to provide email access through handheld electronic organizers and kiosks at theme parks. For ten points--name this largest commercial internet service provider, based in northern Virginia, which is hoping to capitalize on the idea of making Internet access available through devices other than personal computers.

Answer: **AOL or America Online**

19. To entomologists, this word is the name for "any of various longitudinal veins in the wing of an insect." In Roman times, this word signified a spoke on a chariot wheel. Anatomists use it as a name for the shorter of the two bones in the human forearm. For ten points, what is this word that also means "half a circle's diameter?"

Answer: **RADIUS**

20. Located at the confluence of the Spring, Hondo, and Pecos rivers, its first known European visitor was Spanish conquistador Don Antonio de Espejo, who explored the Pecos Valley in 1583, but its most famous visitors didn't arrive for 364 more years. This year, Fox will be airing a show bearing this town's name. For ten points, name this New Mexico town, which hosts the UFO Encounter festival each July.

Answer: **Roswell**

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Bonuses

1. Name these scientists who died in the 1920s for ten points, if you name them on the first accomplishment you hear; five if it takes you a second accomplishment.

(10) first wax recording cylinder

(5) the telephone

Answer: Alexander Graham **Bell**

(10) developed edible cactus

(5) developed a large hearty potato named for himself as well as 200 other plants

Answer: Luther **Burbank**

(10) elected Chancellor of Wuerzburg University in 1888

(5) discovered X-rays in 1895

Answer: William **Roentgen**

2. Given these Bob Dylan lyrics, tell what song they are from for the stated number of points:

(5) "You used to be so amused/At Napoleon in rags and the language that he used/Go to him now, he calls you, you can't refuse/When you got nothing, you got nothing to lose."

Answer: **Like a Rolling Stone**

(10) "Well, they'll stone you and say that it's the end/Then they'll stone you and then they'll come back again/They'll stone you when you're riding in your car/They'll stone you when you're playing your guitar."

Answer: **Rainy Day Women #12 & 35**

(15) "Well, I rapped upon a house with the U.S. flag upon display/I said, "Could you help me out? I got some friends down the way/The man says, "Get out of here I'll tear you limb from limb"/I said, "You know they refused Jesus, too" He said, "You're not Him."

Answer: **Bob Dylan's 115th Dream**

3. Answer these questions about everyone's favorite German epic, the Nibelungenlied, for ten points each.

(10) Who is the knight who kills the hero Siegfried while they are out hunting?

Answer: **Hagen**

(10) Who is Siegfried's wife, who accidentally revealed Siegfried's vulnerability to Hagen making his treachery possible?

Answer: **Kriemhild**

(10) Which king is Kriemhild's second husband, who marries her under the condition that he help her avenge Siegfried's death?

Answer: **Etzel or Attila**

4. Scarborough Research of New York has been conducting surveys in the 64 biggest domestic markets to find out which cities have the highest percentage of adults connected to the Internet. Five cities topped 50%

of adults connected. For five points each and a five point bonus for all correct--put these top five cities in order from highest percentage of adults connected to lowest. The five cities are: Seattle; San Francisco; Washington, DC; Salt Lake City; and Austin.

Answer: 1) **Washington DC** (accept equivalents); 2) **San Francisco**; 3) **Austin**; 4) **Seattle**; 5) **Salt Lake City**

5. Answer these questions about Antarctica for ten points each.

(10) This amazing lake the size of Lake Erie is underneath over two miles of ice, so no one knows why it does not freeze. Biologists want to explore it to see life that has existed in isolation for at least two million years, but are not sure of how to do that without contamination.

Answer: Lake **Vostok**

(10) Overlooking the Ronne Ice Shelf, it was discovered in 1935 by Lincoln Ellsworth. At over 16,000 feet this volcano is the highest mountain in Antarctica.

Answer: **Vinson Massif**

(10) This American station and airplane runway used to be exactly at the South Pole itself, today it has moved almost a mile because of the shifting ice. Various science is done here with the ozone hole and cosmic rays. It is named after the first two men to reach the pole.

Amundsen-Scott Station (don't accept Scott-Amundsen)

6 Answer the following about a historical figure, 30-20-10-5.

(30) A lawyer born in Illinois, he moved to Lincoln, Nebraska and won a seat in the U.S. House of Representatives in 1890. Later he edited the Omaha World-Herald newspaper.

(20) Smote by the Wrath of God, he died in 1925 in Dayton, Tennessee.

(10) Woodrow Wilson appointed him Secretary of State in 1912, and he proposed the formation of a 31 member international commission to mediate international disputes and prevent wars.

(5) A four time presidential loser, he was nominated by both the Populist and National Silver parties for the election of 1896.

Answer: William Jennings **Bryan**

7. Answer the following on 20th Century German politics for the stated number of points.

(5) Overturning the Hallstein doctrine, this shift in German foreign policy allowed Germany for the first time to open diplomatic relations with countries that recognized East Germany. For five points--give the name of this movement, which translates to "Eastern Policy".

Answer: **Ostpolitik**

(5 each) A certain German political party's gains in the Bundestag in the 1969 elections made Ostpolitik possible. For 5 points each--name that party and their new chancellor elected that year.

Answers: **Social Democrats** and **Willy Brandt**

(15) Signed in 1972, this treaty between the two Germanys regularized foreign relations, committed respect to each other's independence, and prevented either nation from crediting itself as the sole spokesman for the German people.

Answer: the **Basic Treaty**

8. Give the original name and place of origin for these NHL teams for ten points each.

(10) Dallas Stars

Answer: **Minnesota North Stars**

(10) Colorado Avalanche

Answer: **Quebec Nordiques**

(10) New Jersey Devils

Answer: **Kansas City Scouts**

9. Name these amino acids from a description of the side chain for 10 or from the one-letter abbreviation for 5.

(10) The side chain is a fluorescent indole ring.

(5) The abbreviation is W.

Answer: **tryptophan**

(10) The side chain consists of several methylene groups capped by a very basic guanidinium group.

(5) The abbreviation is R.

Answer: **arginine**

(10) Since the side chain forms a five-membered ring that includes the alpha amino group, this amino acid is actually a cyclic imino (IH-mee-no) acid.

(5) The abbreviation is P.

Answer: **proline**

10. Name these plays which retell the story of Joan of Arc from a brief description for 10, or for 5 if you need the author.

(10) This 1801 play was one of the first to recast Joan as a romantic heroine. It varies the story by giving Joan a tragic flaw, love for the English soldier Montgomery, and by having Joan die on the battlefield rather than at the stake.

(5) Friedrich Schiller

Answer: The **Maid of Orleans** or **Die Jungfrau von Orleans**

(10) In this 1924 version of her story, emphasis is placed on Joan's individual contact with the divine, thus presenting her as a prototype of Protestant thinking. In an epilogue she returns to visit the dying Charles VII and learns of her elevation to sainthood.

(5) George Bernard Shaw

Answer: **Saint Joan**

(10) This 1932 play sets the story in Chicago and recreates Joan as a member of the Salvation Army working in a soup kitchen. She decides the only way to help humanity is through communism, but fails and in death becomes instead a saint for the rich.

(5) Bertolt Brecht

Answer: **Saint Joan of the Stockyards** or **Die heilige Johanna der Schlachthöfe**

11. Name this more or less outdated animal corporate shills for ten points each.

(10) This blasé feline doesn't appear much on TV anymore although he's still prominently featured in print ads and on 9 Lives packages.

Answer: **Morris**

(10) This smart-mouthed Star-Kist salesfish rather inexplicably wore sunglasses and a beret.

Answer: **Charlie** the Tuna

(10) Even a multi-colored rooster couldn't make Kellogg's Corn Flakes as appetizing as some nice sweet Frosted Flakes.

Answer: **Cornelius** or **Corny**

12. Given the translation of the name of a type of pasta, give the Italian name for five points each.

(5) shells

Answer: **conchiglie** (con-kee-lee-ay)

(5) little moustaches

Answer: **mostaccioli**

(5) tongues

Answer: **linguine**

(5) little worms

Answer: **vermicelli**

(5) bridegrooms

Answer: **ziti**

(5) priest stranglers

Answer: **strozzapreti**

13. Name the American statesman, 30-20-10.

(30) President Eisenhower once incurred censure for deleting part of a speech praising this man for fear of offending Joseph McCarthy, who had denounced him.

(20) He attempted to mediate the Chinese Civil War in 1946, served as Secretary of Defense from 1950-51, and won the Nobel Peace Prize in 1953.

(10) He was Secretary of State from 1947-49 and created the European Recovery Program.

Answer: George **Marshall**

14. Identify the Anton Chekhov plays from brief descriptions for ten points each.

(10) Ivan Voinitzki manages the estate of his brother-in-law, Aleksandr, putting aside his own dreams in order to support Aleksandr's academic career.

Answer: **Uncle Vanya**

(10) The young Trepliov aspires to literary greatness but is crushed when his play is received with laughter. Though he finally attains artistic respectability, he commits suicide after he is abandoned by Nina.

Ans: The **Sea-Gull**

(10) Olga, Masha, and Irina live out a drab existence in a small provincial town, hoping to escape to better lives through liaisons with the young army officers stationed there.

Ans: The **Three Sisters**

15. The stunning work of the currently undefeated (this may change when the question is actually read) St. Louis Rams has prompted the question writer to ask about these chronic losers on a 5-10-15 basis.
(Moderator: Accept either the team city or name.)

(5) Their world series drought, the second longest in baseball today, could possibly end this year, although they have to get by the New York Yankees to do so.

Answer: **Boston Red Sox**

(10) Now that the Rams are indeed 4-0 this team becomes the losingest NFL team in the 1990s

Answer: **Cincinnati Bengals**

(15) They have never won a Stanley Cup, and hold the record for the worst NHL season of all time. Also they are the only team to be up 3-0 in a best of seven series and lose.

Answer: **Washington Capitals**

16. Given the abbreviation used in inorganic chemistry, give the common name of the ligand for the stated number of points.

(5) Me (read m, e)

Answer: **methyl**

(10) py (read p, y)

Answer: **pyridine**

(15) edta (read e, d, t, a)

Answer: **_ethylenediaminetetraacetate_** (ethylene-DI-amine-tetra-acetate)

17. Answer these questions about Yeats for the stated number of points.

(5) What theater did Yeats found, with Lady Gregory and George Moore?

Answer: the **Abbey Theater**

(10) What was the pre-Raphaelite group Yeats had earlier helped found in London?

Answer: the **Rhymers' Club**

(15) Yeats was greatly influenced by the Russian woman who started the Theosophical Society. What was this spiritualist's name?

Answer: Madame Helena Petrovna **Blavatsky**

18. Name the Baroque composers from works, 15-5.

(15) The operas "Giulio Cesare" and "Alcina"

(5) "Music for the Royal Fireworks"

Answer: Georg Frideric **Handel**

(15) Coffee Cantata

(5) The Well-Tempered Clavier

Answer: Johann Sebastian **Bach**

19. Given a building in “the birthplace of modern architecture”, Chicago, give the year, within years, in which its construction was completed, for ten points each.

(10) Robie House

Answer: **1908 (1903-1913)**

(10) Sears Tower

Answer: **1974 (1969-1979)**

(10) Museum of Science and Industry. Hint: it was built for the Columbian Exposition.

Answer: **1893 (1888-1898)**

* 20. For ten points apiece, answer these questions on unsolved problems in mathematics.

1. The “strong version” of whose conjecture states that all positive even integers greater than 4 can be expressed as the sum of two odd primes?

Answer: Christian **GOLDBACH**

2. What unproven hypothesis states that there is no cardinal number greater than the size of the set of all integers and smaller than the size of the set of all real numbers?

Answer: **CONTINUUM** Hypothesis

3. No human being has yet directly proved this theorem. However, it was ostensibly proven by two computer scientists via a program they wrote to exhaustively demonstrate the truth of the theorem for every case possible. Name this theorem, inspired by a problem from cartography.

Answer: The **FOUR-COLOR** Theorem