

1998 Paul Bunyan Tournament

Tossups by Julie Stahlhut, Dwight Kidder, Brian Schefke

1. William Whewell wrote of this concept, in 1840, that it takes place when "an Induction, obtained from one class of facts, coincides with an Induction, obtained from another different class." It is now the title of a recent book which proposes that all knowledge is fundamentally unified under natural laws and principles. For 10 points—give this title of a 1998 work by Harvard professor Edward O. Wilson.

answer: Consilience

2. The Coneheads eat it on eggs, but Carlos Riva spun the first fabric of this around 1713. Though somewhat successful in ornamental clothing woven with silk, its tendency to break while worn failed to make it a success. For 10 points—name this substance, today most often seen in boat hulls and insulation.

answer: Fiberglass

3. Chemically, it's a gamma-lactone, synthesized from an oxidized sugar derivative by plants and most animals. It's also an important co-factor of the enzyme prolyl hydroxylase, which is necessary for collagen synthesis. Therefore, a deficiency of it causes skin and blood vessel lesions, and can be fatal. For 10 points—name this antioxidant vitamin, which guinea pigs and primates must obtain by eating fruit and vegetables.

answer: vitamin C or ascorbic acid or ascorbate

4. Appointed manager of Pittsburgh following a tumble in the standings in 1894, his first move was to put baseballs in the freezer, deadening them to the advantage of the light-hitting Pirates. In 1900 he was managing in Milwaukee when Ban Johnson offered him a job in Philadelphia, and a quarter-share of the team. For 10 points—name this manager, who by becoming the owner, allowed himself to manage the Athletics for a half-century.

answer: Connie Mack or Cornelius Alexander McGillicuddy

5. This artist, noted for his establishment of portraiture in the "Grand Manner", expressed most fully the aesthetic doctrines of eighteenth-century England. In his *Discourses*, he claimed that taste distinguished right from wrong in art, and that the methods of the Renaissance masters comprised the ideals to which all art should adhere. He, therefore, advocated the promotion of the aristocratic and heroic over the commonplace depictions found in the Dutch School and the emotional Romanticism of some of his English contemporaries. For 10 points—name this painter, in 1768 the first president of the Royal Academy.

answer: Sir Joshua Reynolds

6. On your vacation you explored the rainforests of the Coromandel Peninsula, spent a few leisurely days at Lake Taupo, checked out post-doc opportunities at the University of Otago in Dunedin, and took a dip in the sulfur springs of Rotorua. For 10 points—what southern-hemisphere country were you visiting?

answer: New Zealand

7. Recently cans of this have been seen in Australia, becoming a collectors item, selling in

classified ads at over \$6000 per case. This gets around the injunction which forbade it being sold in 1996, fearing it "exploited a strong association" with a cartoon. For 10 points—name this beer which Homer Simpson "can't get enough" of.

answer: Duff Beer

8. After sacking Magdeburg, General Tilly's forces of the Catholic League were threatening Leipzig in the summer of 1631. The Protestant electors welcomed Swedish king Gustavus Adolphus and his army to head off Tilly. The two armies met on September 17, 1631; after exchanging cannon fire, Adolphus' Saxon allies fled the scene. Tilly attempted to take advantage of this, but the superior mobility of the Swedes kept his army under constant fire and Tilly was forced to retreat. For 10 points—name this battle, the first major Protestant victory of the Thirty Years War.

answer: Breitenfeld

9. His father, William, was a Hebrew scholar, which influenced this man's primary academic interest. The political views of a later mentor, Penn professor Zellig Harris, steered him towards a life of political activism. For 10 points—name this controversial libertarian socialist, also holder of the Ferrari P. Ward Chair in MIT's Modern Language and Linguistics Department.

answer: (Avril) Noam Chomsky

10. They believe in the deity of Al-Hakim, and their religion is based on Sufi writings, the Koran and the Bible. Their name derives from one of their founders, Ismail the tailor. For 10 points—name this sect centered in the mountains of Syria and Lebanon.

answer: The Druses or Druzes

11. The title character of this novel is Alpha Company's only survivor of a friendly fire incident at Fire Base Harlette in during the Vietnam War. Left for two days without help, he is wracked with pain for the rest of his life. Haunted by the ghosts of his fellow soldiers who narrate the novel, he faces suspicion and alienation back in the United States. His attempt to find a life in a small town in West Virginia fails, and he leaves to try and start again somewhere else. For 10 points—name this 1987 National Book Award winner by Larry Heinemann

answer: Paco's Story

12. There is no I, no O, no W, X, or Y. Additional letters indicate more specificity in subject, followed by additional numbers, such that while N is fine arts, NA would be architecture books, and so on. For 10 points—name this system of classification preferred for larger collections than could be handled by the Dewey Decimal System.

answer: Library of Congress Classification System (prompt on "LC")

13. Paul Newman. Steve McQueen. The St. Louis Post Dispatch. Joe Namath. Jane Fonda. The New York Times. Union leaders Leonard Woodcock and Harold Gibbons. Dick Gregory. Barbra Streisand. The Socialist Workers Party. All of them were included on—for 10 points—what 1971 compilation, a product of the office of Special White House Counsel Charles Colson?

answer: the Nixon Enemies List (or clear-knowledge equivalent)

14. A native of Luxembourg, he founded the first radio magazine *Modern Electrics*, and in 1911, it serialized his *Ralph 124C41+: A Romance of the Year 2660*. Later, he founded a magazine devoted to

"scientification," *Amazing Stories*. For 10 points—name this author, namesake of the award presented by the World Science Fiction Convention.

answer: Hugo Gernsback (prompt on "Hugo" alone).

15. Opened in 1969, driver Ken Rush won the first race hosted here. The next day, Richard Brickhouse won the track's first NASCAR race. Bill Elliott's world record stock car qualifying speed, 212.809 mph, was set at this track in 1987. Currently the longest track on the NASCAR Winston Cup circuit at 2.66 miles, it hosts two Cup events, the Winston 500 in the spring, and the DieHard 500 in the fall. For 10 points—name this auto race track located in Alabama.

answer: Talladega Superspeedway

16. One of these venerable crafts is scheduled for a July 1998 public appearance in Muskegon, Michigan, where it will be under an around-the-clock U.S. Air Force guard. Though the public won't be able to tour it, and few civilians have ever seen one, it has been in use since the 1950s, years before it gained notoriety on May Day 1960. For 10 points—name this spy plane once piloted by the unfortunate Francis Gary Powers.

answer: U-2

17. In the 1970's, his habit of writing cryptic equations on blackboards and hiding in Princeton's libraries earned him the nickname "The Phantom of Fine Hall." This following battles with schizophrenia which later nearly cost him his Nobel Prize—especially ironic, given that his discoveries hinged on rational behavior. For 10 points—name this mathematician awarded the Economics prize for discovering points of equilibrium in game theory problems.

answer: John Forbes Nash, Jr.

18. Bound by South Africa to the south and southeast, Namibia to the west, Zambia to the north, and Zimbabwe to the northeast, this landlocked nation of one and a half million people is dominated geographically by the Kalahari desert. Its other major feature is the Okavango Swamp which is formed by the country's principal river of the same name. For 10 points—name this African nation which recieved independence from the United Kingdom in 1966, and has its capital at Gaborone.

answer: Botswana

19. His first novel was 1947's *The Path to the Nest of Spiders*, and an English translation of his 1965 fantasy collection, *Cosmicomics*, won a National Book Award. For 10 points—name this Cuban-born Italian novelist who died in 1985, the author of *Mr. Palomar*, *The Nonexistent Knight*, and *The Baron in the Trees*.

answer: Italo Calvino

20. Originally planned as an animated special, it concerns Rusty, who wants to impress Pearl. To win her heart, he enters a race against Greaseball and Electra. Its complex staging including ramps made it then the most expensive Broadway show. For 10 points—name this musical about trains, which sat on the shelf until Andrew Lloyd Webber noticed some Central Park roller skaters.

answer: Starlight Express

21. The brainchild of 2nd Lieutenant George Crosman, this experimental army unit remained a mere idea until Jefferson Davis, as Secretary of War, was able to convince Congress to appropriate

\$30,000 for its formation in 1855. 34 recruits arrived from Egypt a year later, to be based permanently in Camp Verde, Texas. Its first duty was to survey unexplored territory in the West, an assignment which was a surprising success. Disbanded in 1865, name—for 10 points—this U.S. army unit distinguished by its unusual desert mounts.

answer: the U.S. Camel Corps

22. After the blockage of northern flows in Ontario and Manitoba, an outlet was found in the Minnesota River, and from there to the Mississippi, allowing some shrinkage. Remnants remain as Lakes Winnipeg, Manitoba, and Lake-of-the-Woods. For 10 points—name this largest of all known glacial lakes, named for a Swiss-American geologist, who studied glacial movements.

answer: Lake Agassiz

5. Name the cellular structure or organelle from its description, for 10 points each.

A. In humans, its genome contains fewer than 17,000 nucleotides and has 37 coding sequences; in plants, its much larger genome may exceed 2.5 million base pairs.

answer: mitochondrion or mitochondria

B. Usually located near the nucleus, its multiple stacks of cisternae [sis-ter-nee] accept cell products at the cis face and export them from the trans face.

answer: Golgi apparatus (Golgi bodies)

C. These channels through plant cell walls connect the cytoplasmic material of adjacent cells.

answer: plasmodesma or plasmodesmata

6. Name the pairs of hungry characters from Lewis Carroll's Alice books, for 10 points per pair. You must name both members of the pair in order to receive points.

A. In *Alice in Wonderland*, they taught Alice to dance the Lobster Quadrille.

answer: the Gryphon and the Mock Turtle

B. On their way to an oyster dinner in *Through the Looking Glass*, they talked of "why the sea is boiling hot, and whether pigs have wings".

answer: the Walrus and the Carpenter

C. In *Through the Looking Glass*, they fought for the crown and a slice of plum cake.

answer: the Lion and the Unicorn

7. For 10 points each—given a player on the U.S. World Cup team, name the professional team for which he most recently played.

A. Kasey Keller

answer: Leicester

B. Claudio Reyna

answer: Wolfsburg

C. Thomas Dooley

answer: Columbus or Crew

8. Identify the following from medieval Russia, for 10 points each:

A. Founded by the Viking Oleg, this principality converted to Christianity under Vladimir I and was the first united Russian state, stretching from the Black Sea in the south to the Baltic in the North.

answer: Kiev (or Kievan state)

B. A prince of Novgorod, he defeated the Swedes in 1240 and the Teutonic Knights in 1242, preserving northern Russia from invasion, but was compelled to collaborate with the Mongols to the south.

answer: Alexander Nevsky

C. In 1251, the Mongol emperor Batu Khan established this state, with its capital at Kazan, and which ruled over Russia for more than 200 years. In 1480, however, Ivan III declared independence from it and established Moscow as his capital.

answer: the Golden Horde

9. Identify these classic computer games, for 10 points each:

A. You, god of light, use your ankh to guide your people into victory against the evil god with his skull standard, employing various natural disasters along the way.

answer: Populous

B. In this Electronic Arts game, you lead an army of mythical beasts into battle both strategic and arcade, to capture the five power squares.

answer: Archon

C. Armed only with the ability to make pits in brickwork, you attempt to evade five robots and capture all the gold bars, in this Broderbund classic.

answer: Lode Runner

10. Identify these concepts from natural pest control, for 15 points each:

A. This three-word term is given to a pest-control strategy that minimizes the use of synthetic pesticides, while including biological pest controls such as natural predators and pathogens.

answer: integrated pest management or IPM

B. Spores of this otherwise harmless bacterium kill insect larvae by forming toxic crystals in the digestive tract; varieties such as kurstaki, sandiego, and israelensis kill different insect species.

answer: Bacillus thuringiensis or Bt [bee-tee]

11. Given a synopsis, name the utopian novel, for 10 points each.

A. Authored by Aldous Huxley, in this novel, British Journalist Will Farnaby is shipwrecked on the southeast Asian island of Pala, a community characterized by a blend of East and West, and which has isolated itself for over 100 years. A society in which the family has been expanded to all members of the community, Pala is conquered by its warlike neighbor Rendang.

answer: Island

B. Written by William Morris, the novel's protagonist, William Guest, falls asleep in his room and

travels in a dream to England circa 2100. He finds that England is now an anarchist society, brought about by a revolution, which has deindustrialized, uses no money for the exchange of goods, and is once again green and lush. Eventually, he wakes up back in his contemporary Britain of 1890.

answer: News From Nowhere

C. Connie Ramos, a poor, mistreated Hispanic woman, is institutionalized by her family. She finds that she can communicate telepathically with Mattapoisett, a community of the future which has achieved absolute equality between the sexes, including childbirth by both men and women. Knowing that Mattapoisett is only one of many possible futures, she poisons her doctors who involve her in an experiment that would destroy her ability to communicate with the future.

answer: Woman On The Edge Of Time

12. Answer these questions about people who served as ambulance drivers in WWI, for 10 points each:

A. After driving for the French, this American established his literary reputation with his *Escape* tetralogy, the first of which was *The Green Bay Tree*, and the third of which, *Early Autumn*, won the Pulitzer Prize.

answer: Louis Bromfield

B. He commanded an ambulance unit. Like his namesake, this historian wrote a *History of England*, as well as a study of the Glorious Revolution, and of Giuseppe Garibaldi.

answer: George Macaulay Trevelyan

C. The driver of an ambulance in Greece, he may have taken the lessons of war to heart, developing the concept of peacekeeping, which won him the 1957 Nobel Peace Prize.

answer: Lester Bowles Pearson

13. Hyacinth Bucket [boo-KAY] is not the only flower in the *Keeping Up Appearances* garden. For 10 points each—name each of her three sisters from descriptions of their domestic situations.

A. She reads steamy romance novels in bed, though her husband Onslow prefers Open University texts on condensed-matter physics.

answer: Daisy (accept "Daise")

B. She loves not wisely but too well and much too often, once becoming engaged to a Polish gentleman whose name she couldn't pronounce.

answer: Rose

C. The wife of a transvestite "turf accountant," her spacious residence includes a sauna and "room for a pony."

answer: Violet

14. Name the Ottoman ruler, for the stated number of points.

A. For 5 points—Sultan from 1520-1526, the Ottoman Empire under his rule reached its greatest territorial extent.

answer: Suleyman I or Suleyman the Magnificent or Suleyman the Lawgiver

B. For 10 points—Sultan from 1451-1481, he captured Constantinople in 1453 and renamed it Istanbul.

answer: Mehmet II or Mehmet the Conqueror (accept Mohammed in place of Mehmet)

C. For 15 points—Sultan from 1290-1326, he was the first of the Ottoman rulers.

answer: Osman I

15. Scientists at the University of Pittsburgh, of all places, performed an experiment attempting to model the behavior of a piece of paper falling. For the stated number of points—

A. For 15 points—typical behavior methods, fluttering, and flipping over, according to this experiment can be determined by determining the value of this number—in the experiment the ratio between the time it takes a piece of paper to fall the distance of its length, to the time it takes for it to oscillate back and forth.

answer: Froude Number (and yes it is fun to say)

B. For 10 points—the Froude number is the qualitative ratio of the effect of a particle's what divided by the effect of gravity?

answer: Inertia

C. For 5 points—since the results determined that viscosity was not a major contributing factor, the experimental parameter cannot be defined by this, the ratio of Inertial effects— to Viscous effects.

answer: Reynolds Number

16. For 10 points each—given the name of a triad and its inversion, name the notes in order from lowest to highest. You must have all in the correct order to receive credit for each part.

A. D major, first inversion.

answer: F sharp, A, D

B. A minor, first inversion.

answer: C, E, A

C. B flat major, second inversion.

answer: F, B flat, D

17. Name the anthropological term for each family system from its description, for 10 points each.

A. A man must marry his brother's widow.

answer: levirate

B. A woman must marry her sister's widower.

answer: sororate

C. A man is responsible for supporting his sister's children, while his own are the responsibility of his wife's brother.

answer: avunculate (Accept such clear-knowledge equivalents as "avuncular" or "avunculus"; do not accept "avunculocal.")

18. Answer the following about the American Football League, for 10 points each:

A. This location was selected to be an original franchise site, but instead became home to an NFL expansion site in 1961.

answer: Minneapolis or Minnesota

B. When Minnesota joined the NFL, this city was selected to become the final original franchise home.

answer: Oakland

C. Name either of the two cities which were expansion sites for the AFL.

answer: Cincinnati or Miami

19. Name the U.S. state from the native American origin of its name for 15, or on an additional hint for 5.

A. 15: From an Algonquian word meaning "beside the long tidal river"

5: A river of the same name runs roughly north-south through this northeastern state.

answer: Connecticut

B. 15: From an Oto word meaning "flat water"

5: Not coincidentally, the Platte river's French-derived modern name means much the same thing.

answer: Nebraska (prompt on "Platte River")

20. Name the following things relating to Christopher Columbus, for the stated point values:

A. For 10 points—the local name for the island, called San Salvador by Columbus, which his ships first reached on October 12, 1492.

answer: Guanahani

B. For 10 points—the surname of brothers Martin Alonso and Vicente Yanez, captains of the Pinta and Niña, respectively.

answer: Pinzón

C. For 5 points each—the two sons of Columbus, one of whom became a colonial governor, the other of whom accompanied him on his fourth voyage.

answers: Diego, Fernando Columbus (or Colón)

21. A "light" science question about compounds. For 10 points each—

A. Compounds which exist in two forms where each form rotates the angle of the plane of polarized light in equal and opposite directions are known as what?

answer: enantiomers or optical isomers

B. Give the name describing a compound which rotates the plane of polarized light to the left.

answer: levorotatory

C. Mixtures of optically active compounds containing equal numbers of both forms show no rotation of light, and are known as what kind of mixture?

answer: racemic

22. Name these figures from the Finnish *Kalevala*, for 10 points each:

A. This god of the sky, the most frequently evoked god in the *Kalevala*, restored fire to the world after it was stolen by Louhi, the evil ruler of Pohjola. This he did by striking lightning and sending it to the earth to be swallowed by a great pike. This story of him is depicted through music in Sibelius' *The Origin of Fire*.

answer: Ukko

B. His name means "river's mouth" and he is the son of the air goddess Luonnotar. Having rested in his mother's body for 30 years, he is always depicted in the *Kalevala* as an old man. An enemy of Joukahainen, whom he bested in a singing contest, the story of his birth is told in the opening lines of the the *Kalevala*.

answer: Vainamoinen

C. His name means "lover boy." A romantic hero, he courts the Maiden of Pohjola, the daughter of Louhi. To win the Maiden's hand, Louhi commands him to perform many prodigious tasks, but he is murdered by a half-blind cattle herder. Resurrected by his mother, he later joins Vainamoinen to find a magical artifact called the sampo. His faithful companion is Kurra.

answer: Lemmenkainen