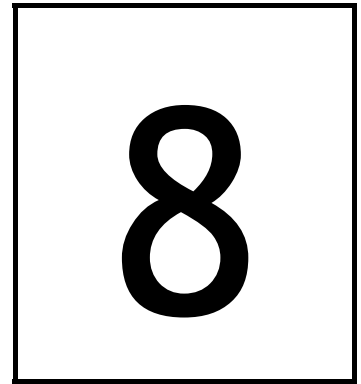


PENN BOWL 11

Tossups by Yale & Swarthmore



- 1** Finding them usually involves solving one or more differential equations, but they always satisfy Hamilton's principle or the principle of least [*] action. A common—but complicated—method is the Newtonian approach of finding all the forces on a body, and using the equation force equals mass times acceleration to derive—for 10 points—what equations describing how a particle moves?

ANSWER: equations of motion

- 2** Chapter six gave the Imperial Diet the power to approve budgets. Chapter four created the Privy Council with limitless powers. Authored primarily by Ito [*] Hirobumi, Chapter one invests all sovereignty in the emperor, "sacred and inviolable;" his ordinances have force of law. For 10 points—name this 1889 document, foundation of the Japanese government after the Tokugawa shogunate fell, named for an emperor.

ANSWER: Meiji Constitution

- 3** One solution is physicalism, which states that fixed elements describe all possible events completely; there is nothing over and above an event except its physical explanation. This solves the problem of causal overdetermination, or the problem that a physical event can have both [*] mental and physical causes. Descartes, however, offered Cartesian dualism to solve for 10 points—what epistemological problem of the relationship between mental and physical states?

ANSWER: mind-body problem [accept clear-knowledge equivalents]

- 4** Paul Weyrich believes in saving this company by rebuilding it. But if it cannot achieve self-sufficiency without [*] government subsidies by December 2002, Weyrich's reform council will give Congress a plan for a restructured system—that may or may not include this company. Chaired by Michael Dukakis—for 10 points—name this company, still losing money despite a recent surge in ticket sales, also called the National Railroad Passenger Corporation.

ANSWER: Amtrak [accept National Railroad Passenger Corporation on early buzz]

- 5** Ependymomas [uh-PEN-dih-MOH-muhs] and astrocytomas [ah-stroh-SYE-toh-muhs] are tumors of this cell type. Predominantly found in the white matter of the brain, these cells [*] surround and protect neurons, and produce the substance that gives white matter its color. Schwann cells in the peripheral nervous system are analogs of—for 10 points—what cells of the central nervous system that produce myelin?

ANSWER: (neuro)glia or glial cells [do not prompt on "Schwann cells"]

6 Famous examples include directions to curse at a bride, an accusation of worm tasting, and a mention of a boiled [*] icicle. Though many examples attributed to their namesake reverend are thought to be apocryphal, the term has lived on since the late 1800s. For 10 points—what is this process of switching parts of words, such as “Three cheers for the queer old dean?”

ANSWER: spoonerisms

7 Adapted into a Broadway play in 1963, it was first serialized in 1914. The author’s childhood memories of Lewistown and Petersburg, [*] Illinois provided the basis for its 244 characters. In free verse monologues, they relate episodes from their lives, and reflect on events like the Spanish-American War and Midwestern social trends. For 10 points—name this collection by Edgar Lee Masters of epitaphs from a fictional graveyard.

ANSWER: Spoon River Anthology

8 They presume that Russell-Sanders coupling occurs, and that electron configurations can be considered unique. They dictate that the highest total angular momentum state be used if a shell is more than half [*] full, and that the lowest be used otherwise. Often simplified—for 10 points—name these rules that dictate that all orbitals of the same energy receive one electron before any receives two.

ANSWER: Hund's rules

9 His *kishrus*, or shooting stars, have incredible powers, and anything he puts into words becomes reality. He agreed to send the Bull of Heaven after Gilgamesh when [*] Ishtar assured him that Uruk had enough provisions for seven years, and then decreed that either Gilgamesh or Enkidu had to die for slaying it. For 10 points—name this son of Anshar and Kishar, whose name is Sumerian for “heaven,” the sky god of Babylonian myth.

ANSWER: An(u)

10 In 1997, his 23-game hitting streak tied an Astros record, and 1998 saw his first 20-homer season. Acquired by his current team in a trade for Karim Garcia, he gained national attention in 1999 with a [*] 30-game hitting streak. For 10 points—name this Diamondbacks outfielder who, in 2001, hit 57 home runs, and drove in the World Series-winning run.

ANSWER: Luis Gonzalez

11 Educated at Harvard, Yale, and Princeton, this US Senator and lieutenant governor of Connecticut is more famous for exploits published in his *Journal of an* [*] *Expedition Across Venezuela and Colombia and Across South America*. The real-life model for Indiana Jones—for 10 points—name this archaeologist who discovered Machu Picchu.

ANSWER: Hiram Bingham

12 The son of Alyattes [al-YAH-tees], he ruled from his capital at Sardis. The last king of his land, Herodotus attributes his downfall to delayed retribution for the crimes of his ancestor, the usurper [*] Gyges—in the form of misleading oracles from Delphi, who encouraged him to begin a ruinous war with Persia. For 10 points—name this king of Lydia, who lost his throne, his freedom, and his proverbial wealth.

ANSWER: Croesus

13 He enrolled at the *École des Beaux-Arts* [ay-KOHL day boh-ZAHR] in 1855. Six years later, he abandoned historical painting to focus on such subjects as horse racing and [*] ballerinas. For 10 points—name this French Impressionist noted for his works showing humans in motion, who painted *Semiramis Founding Babylon* and *After the Bath*.

ANSWER: (Hilaire-Germain)-Edgar Degas

14 It had numerous exceptions, including obligations arising from the Covenant of the League of Nations, the [*] Monroe Doctrine, and post-Versailles treaties. Arising out of a bilateral treaty suggested by France in 1927, it was originally directed against German aggression. Also called the Pact of Paris—for 10 points—name this idealistic 1928 document that tried to “outlaw” war as an instrument of national policy.

ANSWER: Kellogg-Briand Pact [accept Pact of Paris on early buzz]

15 Charges in the two murders that spawned the case were quickly dismissed; the focus of the trial was on property and salvage rights. Deportation of the defendants to Spain was advocated by [*] Van Buren, while John Quincy Adams supported their request for repatriation, arguing their case before the Supreme Court, which ruled the defendants were free men, as their capture had been illegal. For 10 points—name this 1841 case about a Spanish slave ship.

ANSWER: *US v. Amistad*

16 With 191 islands, 6,000 square miles, and some Soviet weather stations, its only permanent residents are polar bears. Located north of Novaya Zemlya and northeast of [*] Svalbard, it was not discovered until 1873 by a team of Austrian explorers. For 10 points—name this almost inexplicably-named archipelago closer to Moscow than Vienna.

ANSWER: Franz Josef Land or Zemlya Frantsa Iosifa

17 Her abode, surrounded by fields of barley and rye, is on a major shipping route for a nearby city. Her island is known for its flora, and for the music of its sole [*] occupant. She never leaves her home until one fateful day, when sunlight flashes on the shield of a passerby and she

looks out of the window, setting the curse in motion. For 10 points—name this character, who leaves her loom and floats down to Camelot in a poem by Alfred, Lord Tennyson.

ANSWER: The Lady of Shalott

18 The event in the title is used as a reminder and a sign of self-renewal. Poems in this collection include “Blue Flannel Suit,” “The Beach,” “The Rabbit Catcher,” and [*] “Epiphany.” Many critics felt the author was trying to reply publicly to the criticism he took after his wife’s 1963 suicide. Dedicated to Sylvia Plath—for 10 points—name this 1998 work by then-poet laureate Ted Hughes.

ANSWER: Birthday Letters

19 He joined pianist Jay McShann’s band in 1938, performing solo on such recordings as *Sepian Bounce* and *Hootie Blues*. In Kansas City for his father’s funeral, he joined Harlan Leonard’s [*] Rockets, a band he would tour with for five years. Later associated with Earl Hines, Dizzy Gillespie, and Thelonius Monk—for 10 points—name this saxophonist nicknamed “Bird.”

ANSWER: Charles Christopher “Charlie” Parker, Jr. [accept “Bird” or “Yardbird” on early buzz]

20 The hole collapses at this site were not fixed until the site's director invented the drive pipe. After cost overruns, the Seneca [*] Oil Company abandoned the project, leaving the director to finance it himself; detractors thought this was a major folly on his part. But he proved critics wrong when he struck oil in 1859 in—for 10 points—what first oil well in the US?

ANSWER: Drake's Well or Titusville, Pennsylvania [accept Drake's Folly for power]

21 This school's women's basketball coach compiled a 60-0 record in 1995 and 1996 leading the US national team to a gold medal in Atlanta. A 1998 loss to [*] Harvard, however, makes it the only school to lose a match to a number 16 seed in the NCAA Division I basketball playoffs. Kate Starbird, Kristin Folk, and Jennifer Azzi have all played—for 10 points—for what school, whose women's basketball team is coached by Tara VanDerveer?

ANSWER: The Leland Stanford, Jr. University

22 Especially common with AMD Athlon chips, if done at home, this procedure will void the warranty of any CPU, because it runs the risk of completely [*] melting the chip's circuitry. A cheap way of souping up computers, running a CPU at speeds beyond those specified by the manufacturer, which requires tweaking the BIOS settings for bus speed and clock multiplier.

ANSWER: overclocking

23 He worked at the Workers' Accident Insurance Institute for most of his life. Born to middle-class Jewish parents, he constantly struggled with his father's expectations for him, and published [*] almost nothing in his lifetime, and had unhappy affairs with Felice Bauer and Milena Jesenska, among others. We have Max Brod to thank for not burning—for 10 points—what author's books, including *The Castle* and *The Trial*?

ANSWER: Franz Kafka

24 Tony takes a deep interest in the family, and maintaining its respectability. Thomas, drawn to the family business, wishes to follow in his father's footsteps. Christian, erratic and irresponsible, cares for neither. They are the three children of [*] Jean, the patriarch of—for 10 points—what titular merchant family from Lübeck in a novel by Thomas Mann?

ANSWER: *Die* Buddenbrooks or Buddenbrooks [accept clear-knowledge equivalents]

25 The daughter of a poor dancer and a disreputable opera singer, in her attempt to achieve respectability, she enrolls in Miss [*] Pinkerton's Academy, where she meets Amelia Sedley, who offers her a place to stay before she becomes a governess for Sir Pitt Crawley. She tries to marry Amelia's brother, Joseph, but marries Rawdon Crawley after the Sedleys go broke. For 10 points—name this character from William Thackeray's *Vanity Fair*.

ANSWER: Becky Sharp or Becky (or Rebecca) Sharp

26 The protagonist drags a bag full of clothes and pictures down a hill, and waits several weeks before paying the bills. Though she says "it's a shame we have to [*] play these games," she maintains that for all the lies he told, this is what he owes. These events, and a shopping spree at Nieman Marcus, are a cheated lover's revenge in—for 10 points—what song by Blu Cantrell?

ANSWER: "Hit 'Em Up Style"

27 In 1856, he was appointed conductor of the Philharmonic Society of Goteburg, Sweden. Eight years earlier, at Franz Liszt's behest, he opened a piano school in [*] Prague, to which he returned in 1861. For 10 points—name this composer, considered the founder of the Czech nationalist movement, who composed *The Moldau*.

ANSWER: Bedrich Smetana

28 Dallas. Janet Leigh. Sushi. The Big Kahuna. Clam Dip. Bye Bye Birdie. *Das* [*] *Blimp*. Garbage Truck. Down the Hatch. In One Ear. Bats in the Belfry. Icy Trike. Blue Plate Special. The Wringer. The Sundae Slide. The One-Ton Human Hamster Wheel. All of these are part of—for 10 points—the obstacle course on what popular Nickelodeon game show?

ANSWER: *Super Sloppy* Double Dare [accept *Family Double Dare* or *Double Dare 2000*; prompt on “obstacle course” on early buzz]