

PENN BOWL 10

A Buzzer Odyssey

Tossups by
**Princeton
and Pittsburgh**

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04/05/2002
5/3/03
5

1 Borrowing heavily from Wyclif, his *De Ecclesia* attacked the existing church structure; as punishment, authorities burned his writings, forbade his preaching in private chapels, and in 1411 excommunicated him. King Sigismund suggested that he attend the Council of Constance, where he was opposed by the Italian cardinals and condemned. Burned at the stake in 1414--for 10 points--name this early precursor of Protestantism in Bohemia.

ANSWER: Jan **Hus** or Jan **Huss**

2 In *Buckaroo Banzai and the Eighth Dimension*, Yoyodyne Industries, the evil Red-Lectroid-run corporation takes its name from this novel. Featuring a philatelist named Genghis Cohen, the right-wing Peter Pinguid Society, and, appropriately enough, a band called the Paranoids--for 10 points--name this novel detailing Oedipa Maas's efforts to execute her former boyfriend's will, written by Thomas Pynchon.

ANSWER: *The **Crying of Lot 49***

3 The first ten tracks are arranged in pairs of contrasting psychological states. The title track, adapted from a Frank Devenport poem, consists of three movements tracing a journey from daily rote to transcendence. For 10 points--name this misguided 1968 album featuring renditions of "Hamlet" and "Mr. Tambourine Man" by William Shatner.

ANSWER: *The **Transformed Man***

4 "What are you doing in my bedroom?" So he is said to have asked before being arrested in 1982 by Atlanta police. His suit to prevent prosecution by the state led first to an injunction, but in 1986, the Supreme Court voted 5-4 that the Constitution does *not* provide a fundamental right to engage in consensual homosexual sodomy. For 10 points--name the respondent in that case, who lost his legal battle with Attorney General Michael Bowers.

ANSWER: Michael **Hardwick** [accept *Bowers v. Hardwick* before "he"]

5 In one of his books, Domenico Scarlatti is a one-armed soldier, and La Passarola is a flying machine. Another is a dialog between Fernando Pessoa, a poet, and his own fictional alter ego. In another novel, a proofreader alters the history of the 1174 siege of Lisbon. For 10 points--name this Portuguese author of *The Year of the Death of Ricardo Reis*, *Baltasar and Blimunda*, and *The Siege of Lisbon* who won the Nobel Prize for Literature in 1998.

ANSWER: Jose **Saramago**

6 A long-chain derivative of quinone, it helps modify glutamate residues in certain proteins to increase binding to membranes and to calcium. The latter effect helps in treating some bone disorders, but it is more important in the activation of thrombin. For 10 points--name this vitamin produced by intestinal bacteria that is a major factor in blood clotting.

ANSWER: vitamin **K** [accept **K₁** or **K₂**]

7 Though most of his works are set in Japan, his characters are often defined by their tastes for Western food, music and books: *The Wind-Up Bird Chronicle* opens with the protagonist cooking spaghetti while listening to opera. Another book, *Norwegian Wood*, takes its name from a Beatles song. For 10 points--name this author of *Dance, Dance, Dance*, *Hard Boiled Wonderland and the End of the World* and *A Wild Sheep Chase*.

ANSWER: Haruki **Murakami**

8 It begins by questioning who made its subject, "gave thee life, and bid thee feed/By the stream and o'er the mead."

It goes on to explain that the maker is like the subject--both use the same name, and both are "m eek" and "mild."
For 10 points--name this poem, the third-to-last in William Blake's *Songs of Innocence*.

ANSWER: "The **Lamb**" [prompt on "*Songs of Innocence*"]

9 Raised as a Muslim, he was interested in many religions, and founded the short-lived faith called Din-e-Ilahi. Ascending to the throne in 1556, his forces defeated a larger Hindu army at the second battle of Panipat after an arrow through the eye rendered the Hindu general unconscious. Through strategic marriages and military might, he extended imperial control over most of India. For 10 points--name this Moghul emperor, grandson of Babur.

ANSWER: **Akbar** the Great or Abu-ul-Fath Jalal-ud-Din Muhammad **Akbar**

10 The name's the same. The first bishop of Litchfield, he gained his post after stepping down from the bishopric of York in favor of the more properly appointed Wilfred, and may now be the patron saint of disputed elections. Carter on *Melrose Place* and Jesse on *Life Goes On*, he's the younger brother of actor Rob Lowe. For 10 points--what name do they share with the only country to border both Libya and Cameroon, whose capital is N'Djamena?

ANSWER: **Chad** [HN: Admit it: you were expecting ballot chads.--Ed.]

11 Of the older figure in this painting, which was destroyed in the Allied firebombing of Dresden, Pierre Proudhon wrote "His motionless face is heartbreakingly melancholy. His stiff arms rise and fall with the regularity of a lever. For 10 points--name this work by Gustave Courbet which was exhibited at the Salon of 1850, which shows two men crushing rocks along a road.

ANSWER: *The **Stonecutters*** or *The **Stonebreakers***

12 The magnetic form, for plasmas, is proportional to the electrical conductivity and the plasma velocity. For liquids, it is inversely proportional to viscosity. Low values mean that the viscous forces dominate throughout, while very high values imply viscous action only at boundaries. For 10 points--name this dimensionless number used to characterize fluid turbulence.

ANSWER: **Reynolds** number

13 Born Elizabeth Murray, her first husband left her to save money, while she separated from her second, Lord Robert, an alcoholic. On a whim, she went to Paris with Mike Campbell, and inspired lasting jealousy by leaving Robert Cohn. For 10 points--name this Lady who has a dysfunctional relationship with Jake Barnes in *The Sun Also Rises*.

ANSWER: Lady Brett **Ashley** or **Brett**

14 In the Cobb-Douglas equation, it is determined from multifactor productivity, capital stock, and labor supply. In national accounting, it is calculated as the sum of consumption, investment, government spending, and net exports. For the US, its nominal value in 1999 was \$9.3 trillion, the largest in the world. For 10 points--what is this economic quantity, a country's total production of final goods and services?

ANSWER: **GDP** or **G**ross **D**omestic **P**roduct [accept **output** before "accounting"]

15 A simple dynamic data structure, it overcomes the necessity of knowing how large a block of data will be at compile-time while maintaining constant-time data access. Its frequent use made it a prime feature of C++'s Standard Template Library and most scripting languages. For 10 points--identify this array that can grow or shrink at run-time, whose name seems to be borrowed from physics.

ANSWER: **vector**

16 Following the Battle of Coleto Creek, this event provided the second "remembrance" cry of the revolution.

Colonel James Fannin surrendered his forces to General Jose Urrea, expecting them to be treated as prisoners of war. However, Santa Ana overruled Urrea and ordered them shot as pirates. For 10 points--name this March 27, 1836 massacre which saw the execution of 342 Texas Revolutionaries outside the namesake town.

ANSWER: Massacre of **Goliad**

17 Given six points inside of a circle with radius one unit, at least one pair of points is less than one unit apart. Given nine rooks on a chessboard, at least two must attack each other. If you played eight basketball games last week, you played at least two on one day. These are all examples of--for 10 points--what combinatorial principle concerned with multiplicities and differences in sizes of sets?

ANSWER: **pigeonhole** principle

18 Based on the principle of the *quincunx* [KWIN-koonks], it contains 102 pins set in a hexagonal pattern. Its maximum theoretical value--which has never been obtained--recently doubled. Opportunities to obtain that value are earned by identifying whether the first or second digit in a two-digit price is correct. For 10 points--name this wildly popular pricing game on *The Price is Right*.

ANSWER: **Plinko** [do not accept "pachinko"]

19 For multiple species, it is the sum of the molar quantity n times the chemical potential $[\mu]$ for each species, and represents the total chemical potential. Dictating the work available without changing the pressure, it equals $U - TS + PV$ [U minus $T S$ plus $P V$]. Minimization of this quantity occurs at equilibrium for fixed temperature and pressure. For 10 points--what is this quantity, equal to zero for a reaction at equilibrium?

ANSWER: **Gibbs free energy** [prompt on "G" or "delta G"]

20 Seen by some as the devil's own grandmother, she is often depicted as a small, ugly, old woman with a huge, distorted nose. She travels in a giant mortar or kettle, steering with the pestle in her right hand, and using a broom in her left hand to sweep away all traces of her passage. For 10 points--name this Eastern European cannibalistic witch whose hut stands on chicken legs.

ANSWER: **Baba Yaga** or **Baba-Jaga**

21 Not a medical term, the modern definition dates to the 1843 M'Naghten [m'NAH-tin] rule, which was later replaced by the Durham test and the irresistible impulse test. After John Hinckley's attack on President Reagan, though, the stricter requirement that the defendant not know right from wrong resurfaced. For 10 points--name this legal term for a condition in which a person is not criminally responsible for their actions.

ANSWER: **insanity** [accept word forms]

22 This composer of the opera *Genoveva* and the oratorio *Paradise and the Peri* wrote several works for piano, including *Papillons* [pah-PEE-yohns] for solo piano, and the *Piano Concerto in A*. With four symphonies, including the *Spring* and *Rhenish*--for 10 points--name this German composer of *Album für die Jugend* and *Dichterliebe* who wrote many pieces for his wife Clara.

ANSWER: Robert **Schumann**

23 Although as the first-person singer, I leave the title object on when in bed I slumber, I can't understand what the DJ is saying, so I turn to another station and hear about American inflation, and I wish I was in Tijuana eating barbecued iguana. For 10 points--name this foreign broadcast medium tied to these lyrics, the title of a song by Wall of Voodoo.

ANSWER: **"Mexican Radio"**

24 Shrewsbury, the county town, is located on a bend in the Severn River, which flows southeast through this

county. Bordering Worcestershire [WOO-ster-shihr] on the south, Staffordshire on the east, and Cheshire on the north, fierce fighting occurred here in a 1405 revolt by the Welsh leader Owen Glyndwr [GLIN-dir]. For 10 points--name this English county mentioned in the title of an 1896 poetry collection by A.E. Housman.

ANSWER: Shropshire

25 In November 2000, the leader of one of the parties in the war over this territory said, "we do not need a victory at any cost," adding that its "formal status is not that important . . . what is important is that this territory should never again be used as a springboard for future attacks." For 10 points--name the place about which Vladimir Putin commented, a secessionist, mostly Islamic province in southwestern Russia.

ANSWER: Chechnya or Chechenia

26 Born in Aberdeen, South Dakota, this college senior averaged over 300 passing yards a game the last two seasons. Wearing number 14, he was named to the Mid-Season All-American Team and was selected as the Mid-Season Player of the Year. For 10 points--name this quarterback who didn't win a Heisman, but did lead the Oklahoma Sooners to a national title in the Orange Bowl.

ANSWER: Josh Heupel [HOO-pil]

27 The creator of the short-lived comic strip *Squishy and Squashy, the Talking Roadkill Brothers*, and the more enduring *Slug Man and Leech Boy*, he is also the only 10-year-old to have launched a cardboard rocket into low earth orbit. A typical younger brother, he takes great delight in tormenting his older sister, Paige, with his pet iguana, Quincy. For 10 points--name this character from the comic strip *FoxTrot*.

ANSWER: Jason Fox [prompt on "Fox"; do not accept "Bill Amend"]

28 This dynasty claimed legitimacy and the rule of law from the 14th century Golden Bull. The inbreeding of Bulls can produce some odd bovines, but the inbreeding of humans by this dynasty produced Charles II and Mad King Ludwig. Despite its rulers' eccentricities--for 10 points--what European royal house ruled the Austro-Hungarian Empire until 1918?

ANSWER: Habsburgs

29 Taking its name from a cape in North Euboea [yoo-BEE-uh], this indecisive battle lasted for three days. Though the combination of a severe storm and the Greek forces under Eurybiades debilitated the Persian invaders, aggressive Persian tactics and Leonidas's defeat at Thermopylae eventually forced the Greeks to withdraw. For 10 points--name this 480 BC naval battle.

ANSWER: Artemisium

30 Created by Joel Pritchard and Bill Bell, a unique feature is the "non-volley zone" near the net. Serves are underhanded, and the ball must strike the ground once before being played. Points are scored only by the serving team and games go to 11. Played on a badminton court with the net lowered to the ground--for 10 points--name this game featuring special wooden paddles and a whiffleball.

ANSWER: pickleball

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1 30-20-10. Name the politician.

[30] Born January 21, 1950, his Chinese name translates as "family splendor".

[20] In November 2000, this Democrat defeated his opponent John Carlson in a landslide vote.

[10] Currently serving his second term as governor of Washington, he remains the first and only Asian governor of an American state.

ANSWER: Gary Locke or Lok Ka Wei or Luo Jia Hui

2 Name these works featuring Shaquille O'Neal, "thespian," 10 points each.

In this 1996 film, O'Neal plays a genie in a boombox who thwarts a video piracy ring and reunites a broken family.

ANSWER: Kazaam

O'Neal portrays a weapons designer turned superhero in this movie *The New York Times* labeled a "tepid vat of cinematic sludge."

ANSWER: Steel

O'Neal's cinematic debut occurred in this college basketball film starring Nick Nolte.

ANSWER: Blue Chips

3 30-20-10. Name the musician.

[30] He commissioned Erich Korngold's *Suite*, Benjamin Britten's *Diversions*, and Richard Strauss's *Parergon*.

[20] Ravel composed his *Concerto in D for the Left Hand* for this pianist, whose right hand was amputated because of injuries he suffered in World War I.

[10] His brother Ludwig, a logical positivist, wrote the *Tractatus Logico-Philosophicus*.

ANSWER: Paul Wittgenstein [VIT-gen-shtein]

4 Name these tennis players, 10 points each.

Who finished 2000 ranked number 1 in men's tennis ATP rankings?

ANSWER: Gustavo Kuerten

Who finished a year number 1 more times in the 1990s than any other player?

ANSWER: Pete Sampras

This Australian gave Sampras his record-setting 13th Grand Slam title when he lost in four sets in the finals at Wimbledon.

ANSWER: Patrick Rafter

5 30-20-10. Name the author from characters.

[30] Andrei Taganov, Kira Argounova, and Gwen Ives

[20] Ragnar Danneskjold, Gail Wynand, and The Golden One

[10] Howard Roark, Dagny Taggart, and John Galt

ANSWER: Ayn Rand

6 Name these minor Biblical prophets, 10 points each.

This most famous of minor prophets didn't want to go to Nineveh; his punishment for disobeying God was spending three days inside a big fish.

ANSWER: Jonah

In his writings, he used the memorable image of taking a whore as his wife to represent Israel's infidelity to God.

ANSWER: Hosea

The last of the minor prophets, his book's name means "my messenger," and promises to return Elijah to reconcile Israel's misdeeds.

ANSWER: Malachi

7 30-20-10. Name the play from related quotes.

[30] "For the poor wren, the most diminutive of birds, will fight, her young ones in the nest, against the owl."

[20] "This guest of summer, the temple-haunting martlet, does approve."

[10] "The raven himself is hoarse, that croaks the fatal entrance of Duncan under my battlements."

ANSWER: Macbeth

8 Name these Oscar Wilde characters, 10 points each.

Her long-lost mother, Mrs. Erylne, convinces her not to elope with Lord Darlington.

ANSWER: Lady Windermere

Lady Bracknell confronts her 28 years after leaving the future Jack Worthing in a handbag in Victoria Station.

ANSWER: Miss Lactitia Prism

This American staying at Hunstanton Chase dislikes Mrs. Allonby, London dinner parties, and her wealth.

ANSWER: Hester Worsley or Hester

9 Name these friends of MacGyver, 10 points each.

Mac's pilot friend, played by Bruce McGill, had a facial tic when he lied.

ANSWER: Jack Dalton or Jack

Played by Dana Elcar, whose progressive blindness was written into the series, he is Mac's boss at the Phoenix Foundation.

ANSWER: Peter Thornton or Pete

This aspiring actress, played by Teri Hatcher, unluckily fell into danger whenever Mac was around.

ANSWER: Penny Parker or Penny

10 Answer these related questions, 10 points each.

In what Rudyard Kipling poem are the title characters described as "Damned from here to eternity?"

ANSWER: "Gentleman-Rankers"

Which author wrote the 1951 novel *From Here to Eternity*, as well as *The Thin Red Line*?

ANSWER: James Jones

Which band released the 1999 live album *From Here to Eternity*?

ANSWER: The Clash

11 Answer the following on legal theory, 10 points each.

Thomas Aquinas supported this theory that certain universal moral laws exist, even if they are not embodied in man-made "putative laws."

ANSWER: natural law theory

This theory, associated with H.L.A. Hart, holds that "law" strictly describes only those rules enacted by a government and backed up by force.

ANSWER: Legal Positivism [HN: accept word forms]

This Harvard professor's theory of law as integrity suggests legal interpretation must strike a balance between compliance with precedent and normative considerations.

ANSWER: Ronald Dworkin

12 30-20-10. Name the leader.

[30] Disgust with the turmoil in his native country led this revolutionary to spend the last 26 years of his life in France, where he died in 1850.

[20] In his most famous military exploit, he led an army across the Andes to capture the city of Santiago.

[10] After Simón Bolívar refused to loan him the men or supplies necessary to enforce order in the newly liberated Peru, he renounced authority and returned to Argentina.

ANSWER: José de San Martín

13 C₆₀ is one of the worst lubricants ever tested. 10 points each.

C₆₀ is an example of this allotrope of carbon that forms hollow three-dimensional spaces.

ANSWER: buckyballs or buckminsterfullerenes

This is the hybridization of each carbon atom.

ANSWER: sp²

All or nothing, what polygons comprise the facets of the buckminsterfullerene?

ANSWER: pentagons and hexagons

14 Answer the following about the Meiji period, 10 points each.

The Meiji restoration ended the rule of this final shogunate dynasty.

ANSWER: Tokugawa

"Meiji" was an honorific given to the Japanese Emperor of the time, who had this given name.

ANSWER: Mutsuhito

Japan's first constitution, produced in the Meiji period, is denoted by this year, in which it was ratified.

ANSWER: Constitution of 1889

15 30-20-10. Name the 19th century author.

[30] He coined the famous line, "the pen is mightier than the sword."

[20] The San Jose University English department sponsors an annual contest for worst opening lines named for this author of *The Last Days of Pompeii*.

[10] This Victorian author's 1830 novel *Paul Clifford* opens, "It was a dark and stormy night."

ANSWER: Edward George Earle Lytton Bulwer-Lytton, 1st Baron Lytton of Knebworth

16 Name these types of plant tissue, 5 points per answer.

The two major types of vascular tissue in plants.

ANSWER: xylem and phloem

These two types of specialized xylem cells are functionally dead at maturity.

ANSWER: tracheids and vessel elements

These two types of phloem cells both retain at least their cytoplasm while they function to transport carbohydrates.

ANSWER: sieve elements and companion cells

17 Name these aquatic environmental zones, 10 points each.

The uppermost layer, plankton are abundant, and it receives enough light for photosynthesis.

ANSWER: photic zone

Deep-sea vents are found in this bottommost oxygen-poor zone, where chemoautotrophs live as symbionts inside giant-tube dwelling worms.

ANSWER: abyssal zone

Beyond the continental shelf, this zone includes open water of any depth.

ANSWER: pelagic zone

18 Like much of the Clinton Cabinet, the office of Secretary of the Treasury had a revolving door. In 1993, Clinton appointed a Texas Senator, and former Vice-Presidential candidate. In 1995, he chose a co-chairman of Goldman Sachs, and in 1999, he appointed the current Treasury Secretary, whom Bush will soon replace. For 10 points each name these three men.

ANSWER: Lloyd Millard Bentsen, Jr.; Robert Edward Rubin, Lawrence Henry Summers

19 Name these novels by Mario Vargas Llosa [YOH-sah], 15 points each.

In this autobiographical 1982 novel, a young radio news director befriends a Bolivian dramatist and has an affair with an aunt [by marriage].

ANSWER: Aunt Julia and the Scriptwriter or La Tía Julia y el Escribador

Set in the Brazilian hinterlands, a millennial government, led by a man called "the Counselor," catalyzes the downfall of Brazil's government.

ANSWER: The War of the End of the World or La Guerra del Fin del Mundo

20 Given the colonial name, give the modern name of these African countries, 10 points per part.

Bechuanaland

ANSWER: Botswana

Northern and Southern Rhodesia

ANSWER: Zambia and Zimbabwe

French Territory of the Afars and Issas

ANSWER: Djibouti

21 Name these people or places from the brutal War of Spanish Succession, 10 points each.

The premier English general of the conflict, he was an ancestor of Winston Churchill.

ANSWER: John Churchill, Duke of Marlborough

The war's bloodiest battle, it was fought in 1709.

ANSWER: Malplaquet

Who became the first Bourbon king of Spain?

ANSWER: Phillip V

22 Europa has been touted as a possible home of extraterrestrial life, but "Earth-like" weather has been discovered on another satellite. 10 points each.

Name the satellite of Saturn where the discovery was made.

ANSWER: Titan

Most of Titan's water is ice; the rain on Titan is made of this compound with a much lower freezing point.

ANSWER: methane or CH₄

Titan's atmosphere was discovered by this probe in 1980.

ANSWER: Voyager I

23 Name these once promising Internet companies that have fallen on hard times, 15 points each.

This startup's fall was drastic, going from Super Bowl commercials and a heralded spokesperson to totally shutting down operations in November 2000.

ANSWER: Pets.com

Once heralded as the standard for internet media, recent events included a scandal involving a reporter trying to give Gary Bauer the flu and charges of stagnation and complacency.

ANSWER: Salon.com

24 In 1924 two Chicago students were brought to trial for a murder committed for the sake of "committing the perfect crime." For the stated number of points.

Five points each, name the two defendants from prominent local Jewish families.

ANSWER: Nathan F(reudenthal) Leopold, Jr. and Richard A. Loeb

[10] This man became defense counsel so he could attack the death penalty.

ANSWER: Clarence Seward Darrow

[10] This object, left at the crime scene, led the police to Leopold and Loeb.

ANSWER: a pair of eyeglasses [accept equivalent]

25 Name these 20th century artists who happen to be Jewish, 10 points each.

Born in Vitebsk, Belorussia in 1887, the Jewish *shtetl* [SHTEH-til] influenced such paintings as *Self-Portrait with Seven Fingers* and *I and the Village*.

ANSWER: Marc Chagall

With Duchamp, this artist formed the New York branch of Dada. He also experimented with photography and produced "ready-mades."

ANSWER: Man Ray or Emanuel Rabinovitch

The portraits and nudes of this Italian sculptor and painter, strongly influenced by Cézanne and Brancusi, are known for elongation of figure.

ANSWER: Amedeo Modigliani

26 Down with the "Three B's!" Name these composers who aren't Bach, Beethoven, or Brahms, 10 points each.

This legendary American wrote three symphonies, *Jeremiah*, *Kaddish*, and *The Age of Anxiety*.

ANSWER: Leonard Bernstein

This Hungarian incorporated peasant folk songs called *colinde* into his *Cantata Profana*.

ANSWER: Bela Bartók

This American, who revered Kurt Weill [vile], wrote and staged an English-language version of Weill's *Threepenny Opera*.

ANSWER: Marc Blitzstein

27 Given the country and year, name the left-leaning ruler the CIA helped oust or dust, for the stated number of points.

[5] Chile, 1973

ANSWER: Salvador **Allende** Gossens

[10] Congo (Kinshasa), 1960

ANSWER: Patrice Emery **Lumumba**

[15] Guatemala, 1954

ANSWER: Jacopo **Arbenz** Guzman

28 Answer these questions on the classic sci-fi film *The Last Starfighter*, 10 points each.

The last starfighter, he is discovered in a trailer park.

ANSWER: Alex **Rogan** or **Alex**

This type of simulooid took Alex's place on Earth while he was away.

ANSWER: **beta** unit

A weapon of last resort, found on the prototype gunstar that was left, it causes the ship to spin sending missiles in every direction.

ANSWER: **Death Blossom**

29 Given the author, name the *first* work for which he or she won the Pulitzer Prize for Fiction, 10 points each.

Toni Morrison

ANSWER: **Beloved**

John Updike

ANSWER: **Rabbit is Rich** [do not accept "Rabbit at Rest"]

Norman Mailer

ANSWER: *The Executioner's Song*

30 30-20-10. Name the disease.

[30] Caused by deficiency of the enzyme hexosaminidase A, it results in accumulation of ganglioside G-M2 in the brain.

[20] Infants with this disease appear normal at birth, but lose motor abilities and develop seizures. A cherry-red spot develops on the retina; blindness and paralysis are common.

[10] This genetic condition is most common in Ashkenazi Jewish families.

ANSWER: **Tay-Sachs** disease