

## PENN BOWL 10

A Buzzer Odyssey Tossups by

## MIT, Villanova, and Williams

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**1** This work, which coined the phrase "conventional wisdom," argues that a higher level of unemployment would be preferable to the *status quo*, where unnecessary goods were being produced for the sake of an economy running at capacity. It suggested resources be shifted to public-sector social service programs, a call supported by proponents of Johnson's "war on poverty." For 10 points--name this 1958 book by John Kenneth Galbraith.

ANSWER: The *Affluent Society*

**2** The score calls for five flutes, five oboes, four trumpets, a piccolo trumpet, and two pianos, but omits clarinets, violins, and violas. The Boston Symphony Orchestra gave the American premiere of this work in 1930 under Serge Koussevitsky who commissioned it. For 10 points--name this choral work by Stravinsky dedicated "to the glory of GOD," which contains settings from the longest book of the Bible.

ANSWER: *Symphony of Psalms* or *Symphonie de Psalms*

**3** The title character, a 55-year-old millionaire discontented with life in America, travels to Africa where he destroys the Romilayu [roh-mee-LAH-yoo] water supply while trying to rid it of frogs. He earns his moniker when, by moving a statue of a woman, he allows a certain ceremony to take place. Eventually he decides to become a doctor and return to America. For 10 points--name this Saul Bellow novel.

ANSWER: *Henderson the Rain King*

**4** Her name was once slang for a foot; she was an artist's model who had the most beautiful feet in Paris. She later, under strange circumstances, became a great singer. Little Billee, her fiance, is the one who, in the illustrations of the 1894 book by George du Maurier, wore the narrow-brimmed felt hat that later received her name. For 10 points--name this woman who fell under Svengali's spell.

ANSWER: *Trilby* O'Ferrall

**5** Like Joseph Alsop, he grew up in Middletown, Connecticut. Louis Brandeis's law clerk, his practice of international law led him to the State Department, where he served as Undersecretary to George Marshall. As one of the "wise men," he counseled Johnson and then Nixon to withdraw from Vietnam. For 10 points--name this Secretary of State from 1949 to 1953 often credited with founding NATO.

ANSWER: Dean Gooderham *Acheson*

**6** Two parallel rings surround a dumbbell in one of its characteristic shapes. It can be found in samarium, thulium, thorium, and well as ytterbium and uranium. For 10 points--name these orbitals, with seven possible characteristic shapes, which first appear in the lanthanides.

ANSWER: *f orbitals* or *fundamental orbitals* [do not accept "*d orbital*", which has *one* ring]

**7** It began in Palermo, when inhabitants rose against their monarch, Charles I. Other towns followed suit, until almost all the French on the island had been massacred. Charles tried to reconquer the island, but Pedro III of Aragon was elected king of Sicily, ensuring the demise of Angevin rule. For 10 points--name this Sicilian massacre that began at the first stroke of a bell rung in the evening.

ANSWER: *Sicilian Vespers*

**8** He issued the admonition "Sit perfectly still: only I may dance!" while appearing on a show for which he used to write. Twice editor of the *Harvard Lampoon*, after his graduation he began writing comedy for HBO. A stint on *Saturday Night Live* brought an Emmy award, after which he wrote television episodes with titles such as "New Kid on the Block" and "Marge versus the Monorail." For 10 points--name this late-night talk show host.

ANSWER: Conan O'Brien

**9** Despite his belief that "to work is to live without dying," he never settled down, working odd-jobs such as secretary to Rodin. Apparently a great stimulus to his career was having his mother dress him in girl's clothes as a young boy: this led to the disenchanted female lovers and artists in his works. For 10 points--name this German lyric poet, creator of the Object Poem, and author of *Das Stunden-Buch* and *Sonnets to Orpheus*.

ANSWER: Rainer Maria Rilke

**10** In embryos, it is composed of two zeta and two eta subunits; in fetuses, it is made of two gamma and two alpha subunits. By six months after birth, beta subunits replace the two gamma subunits. These changes are promoted by changes in oxygen intake during development. For 10 points--name this protein complex, whose four subunits each contain an atom of iron.

ANSWER: hemoglobin or Hb or Hgb [do not accept "myoglobin"]

**11** This author was given the opportunity to write by the Federal Writers' Project during the Depression, joined the Communist Party in 1932, and published his first work, *Uncle Tom's Children*, in 1938. Three years later, Orson Welles made a Broadway play based on his most famous novel, which also figures in the plot of the movie *American History X*. For 10 points--name this author of *The Outsider*, *Black Boy*, and *Native Son*.

ANSWER: Richard Nathaniel Wright

**12** He used the pseudonym "Mr. Cathcart" when he flew to Florida to celebrate his victory. His boss diverted his jet in mid-air while informing the runners-up that they had failed. A former Dartmouth mathematician and football player--for 10 points--name this Harvard Business School alum who will succeed "Neutron" Jack Welch as CEO of General Electric.

ANSWER: Jeffrey Immelt

**13** Owner Bob McNair and general manager Charles Casserly are looking forward to their first game against the Miami Dolphins in 2002, in their new home, Reliant Stadium. For 10 points--name this newest NFL franchise, whose team logo is a red, white, and blue steer.

ANSWER: Houston or Houston Texans

**14** Though he isn't Arthur, he does pull a sword embedded in a stone by Merlin. Unlike his father, his greatest virtue is his chastity, which allows him to complete the quest his father could not. His relationship to Joseph of Arimathea and ability to sit on the Siege Perilous predict his success. For 10 points--name this son of Lancelot and Elaine who completes the quest for the Holy Grail.

ANSWER: Sir Galahad

**15** About 300 miles long and very irregular in shape, it includes the Zamboanga Peninsula, which is nearly divided from the rest of the island by Iligan Bay and Illana Bay. It contains forested mountains of teak, ironwood, cypress, and ebony, the volcano Apo, and the rivers Agusan and Rio Grande. For 10 points--name this island of 12 million people, the southernmost major island of the Philippines and its 2nd largest.

ANSWER: Mindanao

**16** In this work, the term "complex number" is introduced, as is the first formal statement of the fundamental theorem of arithmetic. A proof that every integer is the sum of three triangular numbers, quadratic reciprocity, congruence classes, and a construction of the regular seventeen-sided polygon all appear in--for 10 points--what masterpiece of Karl Fredereich Gauss?

ANSWER: Disquisitiones Arithmeticae or Disquisitions on Arithmetic

**17** The questionable Casket Letters suggest she had an affair with James Hepburn, fourth earl of Boswell, while she was married to Henry Stuart, the third Earl of Boswell. That she married Hepburn after Stuart's death enraged the nobility to depose her in favor of her one-year-old son, James. For 10 points--name this woman, briefly queen consort of France by her marriage to Francis II, who ruled Scotland from 1542 to 1567.

ANSWER: Mary Stuart or Mary, Queen of Scots

**18** Organisms in this phylum can regenerate new adult organisms from just a single isolated cell. The typical life cycle includes fertilization to an embryo, development to a larval stage during which the organism swims through the sea to find a permanent home, and an adult stage. For 10 points--name this phylum, whose organisms obtain food by filtering sea water, the taxonomic home of the sponges.

ANSWER: Porifera [accept sponges on early buzz]

**19** William H. Jones, an employee of the Tip Corporation of Marion, Virginia, was given a recipe for a failed whiskey mixer. Adding orange juice to the original formula, he turned the flavor into a soft drink. After 1964, it was marketed under such slogans as "It'll tickle yore innards" and "Zero-proof hillbilly moonshine" by its new owner, Pepsi. For 10 points--name this soft drink famous for its high content of FD&C Yellow #5.

ANSWER: Mountain Dew

**20** In 1868, *Regina v. Hicklin* tested the first British law regulating it; Alexander Cockburn's decision in that case set the standard in both England and the US until a 1934 decision by John Woolsey. In the US, this issue was first addressed by the Comstock law and has arisen in *Miller v. California* and *Roth v. US*. For 10 points--name this term, of which Potter Stewart said "I know it when I see it," a term sometimes applied to *Fanny Hill* and *Ulysses*?

ANSWER: obscenity [accept word forms]

**21** In latitudes with distinct seasons, seasonal ones occur as a result of solar heating. Deepest near the equator, they can begin about 200 meters below the ocean surface. Temporary or permanent, little or no water flow across them. For 10 points--what are these boundary layers between warm and cold water masses that forms in oceans and lakes?

ANSWER: thermoclines

**22** In SI units, it is expressed as  $\text{kg}\cdot\text{m}^2$  [kilogram meters squared]. Found by dividing the net torque on an object by its angular acceleration, this quantity is the rotational analog of mass. For 10 points--name this quantity that is equal to the integral over all mass elements of  $r^2 dm$  [r squared d-m], the opposition a body has to rotational motion, that is symbolized  $I$ .

ANSWER: moment of inertia or rotational inertia

**23** Legend has it an oracle told him and two others that the first of them to kiss his mother would be the next to rule Rome. He fell, thus kissing the earth, and fulfilling the prophecy. He proceeded to lead a rebellion, killing Sextus and ousting Tarquinius Superbus. For 10 points--name this man who along with Tarquinius Collatinus was appointed first Roman consul.

ANSWER: Lucius Junius Brutus or Iunius Brutus

**24** British biologist Roger Coghill has warned that their use threatens the immune system; as a result, the UK Stewart Commission announced their use by children should be limited. Linked to headaches, sleep disorders, and Parkinson's disease, the World Health Organization is examining its possible, though not proven, association with cancer. For 10 points--name this device, also being singled out as a cause of automobile accidents.

ANSWER: cellular phones [accept clear knowledge equivalents]

**25** Allegedly based on the suppression of an 1865 Jamaican rebellion, this novel opens with the death of Durfey and his brother Harold's return from Smyrna. Set in Treby Magna after passage of the 1832 Reform Bill, its popularity has suffered because of its long-winded discussion of legal issues surrounding the Transome estate. For 10 points--name this novel about two different kinds of radicalism, written by George Eliot.

ANSWER: Felix Holt, the Radical

**26** He said Descartes began to define being correctly but failed to differentiate between states of being. That is, an object called "I" can "am," while an "it" can only "is." He then examined early Greek and Hindu scholarship, concluding that pre-Socratic Greeks understood existence differently from modern Germans like him. For 10 points--name this philosopher, a Nazi Party member who befriended Hannah Arendt, and wrote *Being and Time*.

ANSWER: Martin Heidegger

**27** Euthymides, a Greek vase painter, was one of the first to study it. Development of "natural" perspective was a prerequisite to this method's development, as the technique tries to record three-dimensional distortion seen by the eye in two dimensions. In general, it is only used to describe single objects, as opposed to collections. For 10 points--name this technique which describes the rendering of a specific object or figure in a picture in depth.

ANSWER: foreshortening

**28** Venus loves the title character until he calls on the Virgin Mary to free him. He returns to Elisabeth [ch-LEEZ-uh-bet], but Wolfram [VULF-ram] forces him to seek absolution. The Pope says his staff will bloom before he forgives the title character. Elisabeth commits suicide, and the title character dies by her funeral bier, just as a messenger arrives announcing the Pope's staff has grown leaves. For 10 points--name this 1845 Wagner opera.

ANSWER: Tannhäuser [tann-HOY-zir]

**29** He was only 35 when he was assassinated on his way home from presiding over the "Admirable Congress." He resigned his country's presidency two years earlier after an uprising at Chuquisaca. At 25, already a general, he led the liberation of southern Gran Colombia, and proceeded to win battles at Pichincha and Ayacucho. For 10 points--name this first president of Bolivia, after whom one of Bolivia's two capitals is named.

ANSWER: Antonio Jose de Sucre Alcala

**30** His mother Fanny left him behind when she took a trip to America that resulted in her 1832 work *Domestic Manners of the Americans*. From 1859 to 1867 he would daily write 2500 words before breakfast while maintaining the civil service job that resulted in his invention of the mailbox, an invention ridiculed by a character in his novel *He Knew He Was Right*. For 10 points--name this author of *The Eustace Diamonds* and *Barchester Towers*.

ANSWER: Anthony Trollope

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### 1 Name these Booker Prize-winning novels, 10 points each.

In this 1974 novel by Nadine Gordimer, Rosa Burger's father is a Communist who died in prison.

ANSWER: The *Conservationist*

Two literary scholars, Maud Bailey and Roland Mitchell, unearth evidence of a love affair between two Victorian writers in this novel.

ANSWER: *Possession: A Romance*

This 1983 work records the experiences of a disfigured outcast in a fictional South African civil war.

ANSWER: The *Life and Times of Michael K*

### 2 Name these milestone artificial intelligence programs, 10 points each.

Created in the 1970s, this first "expert" system used a rule-based system to identify certain infections and suggest possible treatments.

ANSWER: *Mycin*

Written in 1967 by Joseph Weizenbaum, it simulated a Rogerian psychoanalyst by responding to user-inputted text.

ANSWER: *Eliza*

In this class of programs, robots move objects around in space with a specific goal in mind.

ANSWER: *Block Worlds*

### 3 Name the composers of these oddly-titled masses, 10 points each.

*Missa Papae* [PAH-pic] *Marcellis*, an a cappella mass for eight voices, sometimes called "the Mass that saved music."

ANSWER: Giovanni Pierluigi da *Palestrina*

*Messe "cum jubilo,"* [YOO-bee-loh] for baritone chorus, baritone solo, organ, and orchestra

ANSWER: Maurice *Durufé*

*Petite messe solennelle*, a 90-minute work for twelve singers, two pianos, and harmonium

ANSWER: Gioacchino *Rossini* [do not accept "Berlioz"]

### 4 Name these Scandinavian monarchs, 15 points each.

Gustavus Adolphus II's daughter, she became queen-elect at age six. Descartes died while teaching her philosophy. She abdicated in 1654.

ANSWER: Queen *Christina*

He spent most of his reign fighting the Great Northern War, including a disastrous invasion of Russia. However, inspired by the early Enlightenment, he made significant domestic reforms.

ANSWER: King *Charles XII*

**5** 30-15-5. Name the organization.

[30] Its actual name means "Union or Death."

[15] It was founded in 1911 by Colonel Draquatin Dimitrijevic [dih-mih-tree-YAY-vich]; he was executed six years later.

[5] This group was instrumental in assassinating Austrian archduke Franz Ferdinand, bringing about WWI.

ANSWER: The **Black Hand** [do not prompt on "Mafia"]

**6** Answer the following about painter Henry Tanner, 10 points each.

Tanner was taught by this painter of *The Gross Clinic* at the Pennsylvania Academy of Fine Arts.

ANSWER: Thomas **Eakins**

Tanner received admission to the National Academy of Design in 1927, the same year as what female impressionist?

ANSWER: Mary **Cassatt**

The French government bought this religious work of Tanner in 1897, which had won a medal at the Salon.

ANSWER: The **Raising of Lazarus** or **Resurrection of Lazarus**

**7** Name these related songs, for the stated number of points.

[5] This is Fievel's big song in *An American Tale*.

ANSWER: **"Somewhere Out There"**

[10] This song is sung in the dream scene in *West Side Story*.

ANSWER: **"Somewhere** (There's a Place for Us)"

[15] Simon and Garfunkel re-recorded "Wednesday Morning, 3 AM" in a rock version released under this title.

ANSWER: **"Somewhere They Can't Find Me"**

**8** Given a set of religious events in 2001, place them in chronological order, all or nothing, 15 points per part.

In the Roman Catholic Church calendar, the seasons of (A) Ascension, (B) Pentecost, and (C) Advent.

ANSWER: **(B), (A), (C)**

(D) Feast of the Immaculate Conception, (E) the first day of Ramadan, (F) the first day of Hanukkah, (G) the last day of Ramadan.

ANSWER: **(E), (D), (F), (G)**

**9** Given an event at the Sydney Olympics, name the gold medal winner, 10 points each.

Men's triathlon

ANSWER: Simon **Whitfield**

Men's soccer (country)

ANSWER: **Cameroon**

Women's pole vault

ANSWER: Stacey **Draglia**

**10** In *Gone With the Wind*, Scarlett O'Hara had three husbands. Five points each, give their first and last names.

ANSWER: **Charles Hamilton, Frank Kennedy, Rhett Butler**

**11** Name these English monarchs, 10 points each.

This son of Robert, duke of Normandy, asserted his right to the duchy by defeating rebels at Val-es-Dunes in 1047.

ANSWER: William the Conqueror or William I or William the Bastard or Guillaume le Bâtard

A 16<sup>th</sup> century myth stated Henry VI prophesied this man would one day be king. After the Battle of Tewkesbury, this future Tudor monarch fled to Brittany.

ANSWER: Henry VII [prompt on "Henry Tudor"]

The last monarch to lead his troops into battle, he reportedly said, "There are kings enough in England. I am nothing there."

ANSWER: George II or George Augustus or Georg August

**12** Given a quote, name the movie, 15 points each.

"I can no longer sit back and allow Communist infiltration, Communist indoctrination, Communist subversion, and the international Communist conspiracy to sap and impurify all of our precious bodily fluids."

ANSWER: Dr. Strangelove

"As I say, we tried to remove the tusks. But they were embedded so firmly we couldn't budge them. Of course, in Alabama, the Tuscaloosa but that is entirely irrelevant to what I was talking about."

ANSWER: Animal Crackers

**13** 30-20-10. Name the author from works.

[30] *Incognita, Letter Concerning Humour in Comedy*

[20] *The Mourning Bride, Amendments of Mr. Collier's False and Imperfect Citations*

[10] *The Double-Dealer, Love for Love*

ANSWER: William Congreve

**14** Name these literary devices, 15 points each.

Pretended omission of a fact, such as, "I shall not mention my opponent's criminal record."

ANSWER: paraleipsis [pah-ruh-LYPE-sis] or praterition

Understatement for dramatic effect, such as, "A nuclear holocaust might hurt a few people."

ANSWER: litotes [lih-TOH-teez]

**15** 30-20-10. Name the scientist.

[30] His 1923 *Thermodynamics*, written with Merle Randall, became a standard physical chemistry text.

[20] He invented the concepts of fugacity, activity, and partial molar quantities.

[10] The "dot structures" used to designate chemical bonds are named after him.

ANSWER: Gilbert Newton Lewis

**16** While Marc Antony appeared only in *Antony and Cleopatra*, Antonios appear in five Shakespeare plays. Five each, and 30 for all five, name them. You have 5 seconds to begin your answer.

ANSWER: The Merchant of Venice \* ☐  
Much Ado About Nothing \* ☐  
The Tempest \* ☐  
Twelfth Night, or What You Will \* ☐  
The Two Gentlemen of Verona \* ☐

**17** Name these people from the myth of the Calydonian boar, 10 points each.

This woman, the only one on the hunt, was the first to wound the boar with an arrow.

ANSWER: Atalanta

This man, who loved Atalanta, finished the boar off with a spear.

ANSWER: Meleager

The boar was sent to Calydon when this king forgot to offer first-fruits to Artemis.

ANSWER: Oeneus

**18** 30-20-10. Name the company.

[30] It was originally founded in 1908 in Malden, Massachusetts, as a rubber company.

[20] Their signature product was introduced in 1917. The athlete's name found on the patch was added in 1923. They have sold over 500 million.

[10] On January 22, 2001, this athletic shoe company filed for Chapter 11 bankruptcy.

ANSWER: Converse, Inc.

**19** Name these acts of Congress passed in 1906, 10 points each.

Upton Sinclair's *The Jungle* led to this act's passage.

ANSWER: Meat Inspection Act

This act established the creation of National Monuments.

ANSWER: Antiquities Act

This Act helped reinforce the Interstate Commerce Act of 1887, and dealt mostly with railroad rates.

ANSWER: Hepburn Act

**20** Remember Middle School chemistry? When the equipment quiz was hard? For the stated number of points.

[5] Shaped like an untipable coffee mug, it shares its name with an episode of *The X-Files*.

ANSWER: Erlenmeyer flask

[10] This piece of glass resembles a giant contact lens. It's useful for covering things or cooking small amounts.

ANSWER: watch glass

[15] This graduated cylinder with a stopcock at the bottom can be used to measure small amounts of liquid.

ANSWER: (analytical) buret [byoo-RET]

**21** Given the lines, name the Walt Whitman poem, 10 points each.

"I celebrate myself, and sing myself,/And what I assume you shall assume,/For every atom belonging to me as good belongs to you."

ANSWER: "Song of Myself"

"Through the windows through the doors burst like a ruthless force,/Into the solemn church, and scatter the congregation."

ANSWER: "Beat! Beat! Drums!"

"When I was shown the charts and diagrams, to add, divide, and measure them,/When I sitting heard the astronomer where he lectured with much applause in the lecture-room."

ANSWER: "When I Heard the Learn'd Astronomer"

**22** Given the non-Chinese clue tell which Chinese dynasty was then in power, 15 points from the event, or 5 for the year.

[15] Code of Hammurabi

[5] 1750 BC

ANSWER: Shang

[15] Birth of Cicero

[5] 106 BC

ANSWER: Western Han [do not prompt on "Eastern Han"]

**23** Answer these questions about key DNA experiments, for the stated number of points.

Five points each, which two scientists used bacteriophages to show genes are contained in DNA?

ANSWER: Alfred Hershey and Martha Chase

Five points each, which two scientists showed that when DNA divides, each new molecule contains one original strand and a new complementary strand?

ANSWER: Mattler Meselson and Frank Stahl

What term did Meselson and Stahl use to describe such replication?

ANSWER: semi-conservative

**24** Name these American art movements from members, 10 points each.

Robert Henri, John Sloan

ANSWER: Ash Can School

Asher Durand, Thomas Cole

ANSWER: Hudson River School

Arshile Gorky, Paul Rothko

ANSWER: Abstract Expressionism [do not accept "action painting"]

**25** 30-20-10. Name the person.

[30] This resident of Palmyra, Wisconsin, with a personal Internet fan site, once ran a hunting camp.

[20] More recently she appeared on *Hollywood Squares* and *Live with Regis*

[10] She is most famous for a speech in which she encouraged her comrades to let the snake eat the rat. Name the bitter loser who gave her support to Rich over Kelly on *Survivor*.

ANSWER: Susan or Sue or Susan Hawk

**26** Name these people in the life of Cyrus II, 10 points each.

In his rise to power, Cyrus overthrew this king of the Medes.

ANSWER: Astyages

Cyrus's son, he succeeded him.

ANSWER: Cambyses

This author of the *Cyropedia* and *Anabasis*-both works about Cyrus-worked for Cyrus as a mercenary.

ANSWER: Xenophon

**27** Name the country from cities, for the stated number of points.

[5] Medellín [meh-day-YEEN], Cali

ANSWER: Colombia

[10] Oulu, Nokia

ANSWER: Finland

[15] Kharkov, Donetsk

ANSWER: Ukraine

**28** Name the following from the geography of Venus, for the stated number of points.

Five for one, 15 for both, these two major continents or *terrae* [TER-rye] of Venus, are each named after goddesses.

ANSWER: Aphrodite Terra and Ishtar Terra

[15] Ishtar Terra is dominated by this large plateau, named after a female in Hindu mythology.

ANSWER: Lakshmi Plenum

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**29** Answer the following about Motown Records, 10 points each.

This African-American man founded Motown in 1959 in Detroit, Michigan.

ANSWER: Berry Gordy, Jr.

Gordy founded Motown after discovering this singer, who performed with The Miracles and was noted for his falsetto.

ANSWER: William "Smokey" Robinson

In 1988, Gordy sold Motown to this record company, which later sold it to PolyGram.

ANSWER: MCA, Inc.

**30** Given the name of a space mission, name the object of its study for the stated number of points.

[5] *Viking*

ANSWER: Mars

[10] *NEAR Shoemaker*

ANSWER: 433 Eros

[15] *Ulysses*

ANSWER: Sun