

Penn Bow 007 (1998)

Vanderbilt B Tossups

1) Literature, Non-western

Born in the province of Henan, he was by profession a court librarian. He used this post to develop his theory that "the way" is attainable through the recognition and acceptance of nothing. FTP, identify this sixth-century BC philosopher, the author of the spiritual classic Tao-te Ching

Lao-Tzu

2. Science, Astronomy

Of the four brightest stars in the night sky, this is the only one located in the northern celestial hemisphere. Visible during most of the year, it is the brightest star in the constellation Boötes. FTP, identify this star that can be found by following the "arc" of stars in the handle of the Big Dipper.

Arcturus

3 Social Science, Psychology

Originally an artist and teacher, this German-American began studying psychology in Vienna after meeting Anna Freud. He observed groups of American Indian children to create his theories on development, which he published in Society and Identity. FTP, identify this psychologist who formulated the concept of the "identity crisis."

Erik Erikson

4. Science, Physics

In a given electric circuit, a 300-ohm resistor is connected in parallel with a 25 picofarad capacitor. If the voltage across the resistor is 150 volts, FTP what is the current across the capacitor?

Zero

5. History, American

The journals of these explorers were edited by R.G. Thwaites roughly 100 years after they departed St. Louis. With a party of 23 soldiers, 3 interpreters, and one slave, they reached the Pacific Ocean late in 1805.

FTP, identify these two explorers who pioneered a trail through the Louisiana Territory.

Merriwether Lewis and William Clark

6. History, Ancient

Though this emperor was educated in monastic schools, he renounced Christianity upon his ascent in 361. Before he could reinstate the old pagan religions, this nephew of Constantine was killed while fighting in Persia. FTP, identify this last non-Christian emperor of the Roman Empire

Julian the Apostate (Flavius Claudius Julianus)

7. Pop Culture, Music

Towards the end of this song, a trumpet riff similar to the melody in Purcell's Trumpet Voluntary can be heard. The only hit so far for its 8-member group, it combines modern dance beats with the jollity of an old

English drinking song. FTP, identify this dance-scene smash by Chumbawamba.

Tubthumping

8. Fine Arts, Music

This composer's work is deeply influenced by both English folklore and Hindu mysticism. His subject matter ranged from common European themes such as St. Paul's Suite and Brook Green Suite to more exotic pieces, such as Savitri. FTP, identify this early 20th century composer most famous for The Planets.

Gustav Holst

9. Pop Culture, Cinema

He made his stage debut in 1933 but is more famous to American audiences as a screen actor. His most famous roles include a lead in The Man in the White Suit and in a dramatization of Boule's Bridge on

the River Kwai_. FTP, identify this actor who was a British knight long before becoming a Jedi knight in _Star Wars_.

Sir Alec _Guinness_

10. Literature, General

In 1764, Joshua Reynolds and this English author founded the "Literary Club," an organization for prominent British authors. Known primarily as an essayist, his poetry includes _The Vanity of Human Wishes_. FTP, identify this author of _A Journey to the Western Isles of Scotland_ and a famous dictionary.

Samuel _Johnson_

11. Literature, Ancient

A native of Padua, he endured criticism from contemporaries for his provincial dialect. Among his books only those concerning with the Second Punic and Macedonian Wars have survived to the present. FTP, identify this Roman author and historian who compiled the 142 volume _Ab Urbe Condita Libri_

Livy (Titus Livius)

12. History, Non-Western

His successors, Mursili I and Telipinu, extended his empire into Syria and Babylon. His own accomplishments include the founding of the city of Hattusas, which he made his capital. FTP, identify this founder of the Old Kingdom of the Hittites.

Labarnas (acc. Labarna or Tabarna)

13. Fine Arts, Painting

This artist found traditional methods such as the preliminary sketch incapable of capturing the complexity of his New York City home. In response, he began to paint not from sketches but instead from the juxtaposition of photographs. FTP, identify this American founder of photorealism.

Richard _Estes_

14. Literature, General

This literary movement's most famous followers include the poet Martin Fierro, the playwright Florencio Sanchez, and the novelist Benito Lynch. Its most famous works include the mock-epic _Fausto_ and the naturalistic _Facundo_. FTP, identify this South American literary movement focused on the cowboys of the Rio de la Plata.

Gaucho literature

15. Current Events

Long a militant protestor for racial equality, this activist was raised to the position of Minister of Arts and Culture in April 1992. Recent legal problems stem from involvement in four 1988 murders. FTP, identify this activist recently criticized for her complicity in the "United Football Club" murders by Desmond Tutu.

Winnie Mandela

16. Miscellaneous

A river in southern British Columbia, the American composer of _The Peaceable Kingdom_, the fourth prime minister of Canada, and the composer of _Four Saints in Three Acts_ all share, FTP, what common name, also the surname of Tennessee Republican Fred?

Thompson

17. Geography, Political

This Middle Eastern nation is currently headed by Emir Hafad, who gained power after a bloodless coup in 1995. With a largely Sunni Muslim population, it has recently established close ties with Iran, which ships

much of its fresh water across the Persian Gulf. FTP, identify this tiny Arabic nation with capital at Doha.

Qatar

18. Science, Chemistry

With chemical formula $C_6H_6O_3$, this acid is one of the simplest aromatic acids and it is a common component in wart removing compounds and acne medication. For ten points, identify this acid whose esterification leads to the active ingredient in aspirin.

Salicylic acid

19. History, General

This war was precipitated by a conflict among Charles Albert, elector of Bavaria, Augustus III, elector of Saxony, and Philip V of Spain. It began when a Prussian force invaded and occupied Silesia, which was under the control of Maria Theresa. FTP, identify this European conflict which was ended by the Treaty of Aix-la-Chapelle in 1748.

War of the _Austrian Succession_

20. Fine Arts, Architecture

Dating back to the early 19th century, this example of Palladian architecture has a pedimented portico and 21 rooms in three stories. The architect not only designed the building and surrounding gardens, but also installed such devices as dumbwaiters and a revolving service hatch. FTP, identify this landmark home in Charlottesville, Virginia.

Monticello

21. Religion, Mythology

One woman was the daughter of Nisus, the king of Megara, who was waging war against Crete. The other was a beautiful maiden from Sicily who rejects the love of Glaucus and thus earns the wrath of Circe. FTP, identify the name shared by these two women, the latter of whom was transformed by Circe into a six-headed monster.

Scylla

22. Pop Culture, Sports

Born in Sudlersville, MD in 1907, he was commonly referred to as "the most liked man in baseball." Best known as a first baseman, he hit 534 home runs and won three league MVP awards. FTP, identify this former Philadelphia Athletics and Boston Red Sox star nicknamed "The Beast" and "Double X."

James Emory "Jimmie" _Foxy_

23. Social Science, Law

This "third party" is the fastest growing in the U.S., with over 400 candidates in the 1996 election. This party considers itself having "proven new solutions for conflict-free politics and prevention-oriented government." FTP, identify this political party whose platform is influenced by the philosophy of Maharishi Mahesh Yogi.

Natural Law Party

24. Geography, Physical

This crescent-shaped lake is surrounded by mountain ranges on all sides, except where it is fed by the Selenga, Barguzin and Angara Rivers. FTP, identify this third largest Asian lake, believed to contain one-fifth of the world's fresh surface water due to its incredible depth.

Lake _Baikal_

25. Native to Central and South America, these animals are sparsely haired, with blunt snouts, short legs, small ears, and almost no tail. Some may grow to be 50 inches long and weigh 110 lbs. or more. They are vegetarians and are excellent swimmers, often taking to the water to avoid predators. FTP, name these members of the family hydrochoeridae, the largest living rodents in the world.

Capybara

26. Religion, Non-western

It was introduced to the West primarily through the works of Daistez Suzuki in the early 20th century, over 800 years after its founding. First appearing in the early Kamakura period, it was introduced to Japan by

refugee Chinese priests. FTP, identify this religious sect, subdivided into the Rinzaï and Soto divisions, the most prevalent form of Japanese Buddhism.

Zen

27. Religion, Non-western

Taken from the Sanskrit word for "venerable," this term was taken by the succession of the spiritual leaders of Sikhism from 1469 to 1708. For ten points, name this term which today has come to refer to any such religious teacher, particularly in Buddhism and Hinduism.

Guru

28. Fine Arts

The bronze Athena Promachos, placed at the Acropolis, stood about thirty feet high, and the bronze Lemnian Athena, was sculpted as gift from Athens to Lemnos. Athena Parthenos, standing at 38 feet and made of gold and ivory, was made for the Parthenon. FTP, identify this Greek sculptor whose masterpiece was his statue of Zeus, one of the Seven Wonders of the Ancient World.

Phidias

29. Science, Biology

This class of arthropods contains over 1500 different genera and about 4000 known species. The body is divided into three transverse sections and three longitudinal lobes, thus giving the creature its name. FTP, identify this arthropod whose appearance and extinction marked the beginning and end of the Paleozoic Era.

Trilobites (Trilobita)

30. Current Events

Turkey has become the most recent applicant to be put on its consideration list, but tensions with Greece and problems with its Kurdish minority have hurt its candidacy. FTP, identify this conglomeration formed in 1993 by the merger of the Euratom, European Coal and Steel, and the European Economic Community.

European Union

1998 Penn Bowl 007

Vanderbilt B Boni

1. Science, Physics

Identify the following types of energies for the stated number of points.

5: The energy associated with an object's position relative to the gravitational reference frame.

Potential energy

10: The free energy function associated with a process carried out at constant pressure.

Gibbs Free Energy

15: The free energy function associated with a process carried out at constant volume.

Helmholtz Free Energy

2 Geography, Political

Identify the world cities on a 15-5 basis.

a. 15: This city was founded by Captain Charles Fremantle in 1829 on the Swan River.

5: This capital of Western Australia now boasts a population of over 2 million

Perth

b. 15: This Asian city contains such tourist sites as a mausoleum to deceased president Ziaur Rahman.

5: Its National Monument commemorates independence from Pakistan in 1971.

Dacca

3. Science, Biology

Identify the following close relatives of dinosaurs for the stated number of points.

10: This aquatic reptile is the model on which the Loch Ness Monster is often based

Plesiosaur

5: This ancient animal first appeared during the Jurassic and is the oldest known ancestor of modern birds.

Archaeopteryx

15: Resembling a cross between a dolphin and crocodile, this aquatic lizard is the closest known relative to modern monitor lizards.

Mososaur

4 Fine Arts, Architecture

Identify the following religious structures FTP each.

a. This French Gothic cathedral was dedicated to the Virgin Mary and was constructed on a Druid sanctuary. It is most famous for its over 2000 square meters of stained glass.

Chartres Cathedral

b. This unfinished basilica is the most famous architectural work of Antoni Gaudi.

The _Sagrada Familia_

c. This mosque, which stands across from the Hagia Sophia, has six minarets instead of four and is known for its interior of Iznik tiles.

The _Blue Mosque_

5. Pop Culture, TV

Yeahmanitellyawhat: identify the following characters from Mike Judge's King of the Hill from quotes FTP each. No last name required.

a. "Wow, she's moody. Must be PBS."

Bobby

b. "Why go? I could just stay home, order a bucket of chicken and watch Hee Haw: same thing."

- c. Kahn
 "The words I don't know could fill a dictionary."
 Luanne

6. Religion, Judeo-Christian

Identify the following books of the Bible from clues FTP each.

- a. Of the four Gospels, this one begins its story at the earliest date.
 The Gospel According to John
- b. This book comes first in an alphabetical list of books of the Old Testament
 Amos
- c. After Psalms, this book has more chapters than any other.
 Isaiah

7. Religion, Mythology

Answer the following concerning the myth of Atalanta for ten points each.

- a. Which mortal defeated Atalanta and married her?
 Hippomenes
- b. With what item did Hippomenes trick Atalanta into stopping during
the race, thus enabling him to win?
 Golden apples
- c. From which god or goddess did Hippomenes receive the golden apples?
 Aphrodite

8. History, Non-Western

Identify the following Chinese peace treaties for 15 points each.

- a. This treaty ended the first Sino-Japanese War, and gave Japan the island of Taiwan, the P'enghu Islands, and southern Manchuria.

Treaty of Shimonoseki

- b. This treaty ended the Second Opium War, but it took the Chinese government 3 years to ratify.
Treaty of Tianjin

9. Fine Arts, Music

Identify the composers of the following "party" tunes FTP each.

- a. Carnival of the Animals
 Camille Saint-Saens
- b. The opera buffa Amelia Goes to the Ball
 Gian-Carlo Menotti
- c. Canadian Carnival
 Benjamin Britten

10. Literature, Poetry

Identify the following northern European epics for 15 points each.

- a. The text for Wagner's Ring of the Nibelung operas is based on this story, an Icelandic account of the story of Sigfried and Brunhild.
 The Saga of Volsunga
- b. Its 34 "lays" provide the basis for most contemporary knowledge of Norse myth.

The Poetic _Eddas_

11. Literature, General

Identify the following Gothic novels FTP each.

- a. This Horace Walpole novel was the first Gothic novel published in English.
The _Castle of Otranto_
- b. This Anne Radcliffe novel was also an early Gothic classic, dealing with Emily de St. Aubert and her upbringing in a melancholy French castle.
The _Mysteries of Udolpho_
- c. In this Charles Robert Maturin novel, a man who sells his soul to the Devil attempts unsuccessfully to barter the pact onto someone else.
Melmoth the Wanderer

12. Current Events

One new feature popular among car manufacturers is computerized direction systems. Answer the following about such systems FTP each.

- a. The Air Force operates this onboard navigation system, and its name has become the standard for all such satellite navigation systems.
Global Positioning System (GPS)
- b. Before being called simply the GPS, the Air Force's hyperaccurate system went by what other name?
Navstar
- c. This first GPS was launched by the US Navy in 1960, but it was shut down in 1996 when the Navy switched over to the Air Force GPS.
Transit

13. Fine Arts, Painting

Identify the following artists of the Northern Renaissance FTP each.

- a. One of the earliest northern masters, his _Descent from the Cross_ and other works showed both a retention of Gothic styles and intense detail, which later influenced Van Eyck and others.
Roiger _Van der Weyden_
- b. His _Isenheim Altarpiece_ is famous for its display of intense agony, though some credit this work to Mathis Nithardt.
Matthias _Grunewald_
- c. He painted portraits of Charles V and of close friend Martin Luther, but is better known for introducing nudes into Northern European painting.
Lucas _Cranach_ the Elder

14. Miscellaneous

Identify the substance on a 30-20-10 basis.

30: Its chemical formula is $C_3H_5N_3O_9$, and it is a light yellow liquid with a sweet taste.

20: It is still frequently used as a drug to prevent angina pectoris.

10: It was not suitable as an explosive until Alfred Nobel was able to stabilize it in dynamite.

Nitroglycerin

15. History, Ancient

Identify the following people involved in the Piso conspiracy of 65 AD FTP each.

- a. Gaius Calpurnicus Piso and 41 other prominent Romans attempted to assassinate this former stage actor and Roman emperor in 65 AD.
Nero

b. The most prominent Stoic of his day, he was born in Spain and served as Nero's tutor.
Lucius Annaeus Seneca

c. Seneca's nephew and author of *Pharsalia*, his pining for the Republic led to his death as one of Nero's conspirators.
Lucan (Marcus Annaeus Lucanus)

16. Science, Chemistry

Identify the precipitating solid in the following aqueous reactions FTP each.

a. Lead (II) nitrate reacts with potassium iodide
Lead (II) iodide (plumbous iodide)

b. Copper (II) sulfate reacts with ammonium hydroxide
Copper (II) hydroxide (cupric hydroxide)

c. A copper plate is placed in an aqueous silver nitrate solution
Silver

17. Social Science, Sociology

Identify the following sociologists for the stated number of points.

5: This German claimed that capitalists controlled all social institutions and used them to impress their values on the proletariat class.
Karl Marx

10: This German combined sociology with economics to explain capitalism in *The Protestant Ethic and the Spirit of Capitalism*.
Max Weber

15: A disciple of Talcott Parsons, this 20th century Columbia University sociologist is best known for his theories on deviance and the work *Social Theory and Social Structure*.
Robert Merton

18. History, American

Identify the following US Vice Presidents for the stated number of points.

5: He served under John Quincy Adams and Andrew Jackson before resigning in 1832 in favor of state politics.
John C. Calhoun

10: Elected VP for Grant's first term, his political career was scarred by his involvement in the Credit Mobilier Scandal.
Schuyler Colfax

15: This 31st vice president served in Congress representing Kansas from 1893 to 1928, and served as VP under Herbert Hoover.
Charles Curtis

19. Science, Astronomy

Identify the following space probes FTP each

a. This is the only probe to date that has mapped the surface of Mercury, doing so in 1974.
Mariner 10

b. This probe was the first manmade object to leave the solar system, after visiting Jupiter.
Pioneer 10

c. This probe also visited Jupiter and later mapped the polar regions of the sun.
Ulysses

20. Religion, Mythology

Given the name of a warrior who died in the Trojan War, identify the Greek or Trojan who stew him FTP each.

- a. Patroclus _Hector_
- b. Penthesilia _Achilles_
- c. Paris _Philoctetes_

21. Pop Culture, Cinema

Identify the following "Bond girls" from 007 movies FFP each, with an additional 5 points for correctly naming the movie in which she appears.

- a. Before starring as Bond's sidekick she played an action hero in Hong Kong films such as _Executioners_.
Michelle _Yeoh_, _Tomorrow Never Dies_
- b. Appearing in a Bond film in her first role, she later went on to star in _The Scarlet Pimpernel_, _Heidi_, and _War and Remembrance_.
Jane _Seymore_, _Live and Let Die_
- c. This Bond girl has had only obscure roles, and is perhaps more famous as the wife of former Beatle Ringo Starr.
Barbara _Bach_, _The Spy who Loved Me_

22. Social Science, Economics

Identify the following economic curves from descriptions for fifteen points each.

- a. This curve shows the relationship between the inflation rate and the unemployment rate.
Phillips curve
- b. This is a widely used graph showing income distribution, showing percentage of families and percentage of income.
Lorenz curve

23. Geography, Physical

Identify the following deserts for the stated number of points.

5: The first European to cross this Mongolian desert was Marco Polo, around 1275.
Gobi desert

10: This region of sandy desert in northwestern India and eastern Pakistan has been utilized for both irrigation projects and nuclear testing.
Thar desert (acc. Great Indian desert)

15: Once a fertile area at the center of Buddhist civilization, this desert in the Xiajiang province of China is now uninhabited and rarely crossed.
Takla Makan desert

24. Miscellaneous

Given a word adopted into English, identify its language of origin FFP each.

- a. Admiral _Arabic_
- b. Pumpkin _Greek_
- c. Manna _Hebrew_

25. Pop Culture, Sports

Answer the following concerning the "unbreakable" college basketball record for the stated number of points.

5: Which coach moved to #1 on the all time win list among men's Division I NCAA coaches during the 1997 NCAA tournament?

Dean _Smith_

5: Which "Baron of Basketball" did Smith surpass?

Adolph _Rupp_

10: Adolph Rupp earned his last victory before retirement in what year?

1972

10: Within 1, how many seasons did it take Rupp to establish his "unbreakable" record?

41 (acc. 40-42)

26. Literature, Theater

Identify the playwright 30-20-10.

30: His first successful play was entitled _Come Blow Your Horn_, which he co-wrote with his brother Danny.

20: Several of his later plays star the semi-autobiographical character Eugene Morris Jerome.

10: Among his Broadway hits are such memorables as _Barefoot in the Park_ and _Biloxi Blues_.

Marvin Neil _Simon_

27. History, General

Identify the American political figure 30-20-10.

30: He became editor of the Omaha _World-Herald_ after two terms in the House and an unsuccessful bid for the Senate.

20: His political career was immortalized in both a Vachel Lindsay poem and an H.L. Mencken work.

10: He resigned from Secretary of State under Wilson in 1915, the closest he ever came to the Presidency.

William Jennings _Bryan_

28. Current Events

Answer the following about the recent Asian economic turmoil for the given number of points:

5: The collapse of its fourth-largest brokerage firm, Yamaichi Securities, signalled that this economic superpower had been pulled into the crisis.

Japan

10: After the plunge of the Indonesian rupiah and obvious need for IMF assistance, this Indonesian president met with Treasury officials to reforms for his economy.

Suharto

15: The Asian crisis began in July 1997 with a steep fall of this nation's currency, the baht, which triggered the selling of other Asian currencies.

Thailand

29. Fine Arts

Identify the title of a Renaissance painting based on its description, for the stated number of points:

5: Considered to represent the Virgin Mary, a beautiful, but melancholy goddess is blown onto the dark shores by the winds, and she waits to cover up her body.

The Birth of Venus (by Botticelli)

10: Besides many objects in the room, a man raises his hand for a betrothal, and a woman holds his hand at an arm's distance, and they are reflected in the mirror behind them.

The Arnolfini Marriage or _The Marriage of Giovanni Arnolfini and Giovanna Cenami_ (by van Eyck)

15: The Virgin Mary embraces the body of Jesus, which is surrounded by doleful peasants. Angels fly in the background, and St. John, with his hands extended, stands behind the body.

The Mourning of Christ (by Giotto)

30. Philosophy

Identify the following philosophical terms for the stated number of points.

5: This is the philosophical field whose goal is to determine whether a given set of premises satisfy a given conclusion.

logic

10: This term refers to the view that the truth of reality is dependent upon who perceives it.

subjective reality

15: This term denotes the idea that all reality is created in the mind of the individual.

solipsism