

Delaware

Penn Bowl VIII:
ROUND 12 TOSSUPS
Delaware

1. It is derived from the Anglo-Norman word for "to hear," which is itself derived from the Latin *audire* [aw- DEE-ray]. This Middle English word is usually spoken three times, after which courts can get down to business. FTP, name this phrase which is used to call a court to order.

ANSWER: *oyez* [OH-yay, OH-yes, or OH-yez]

2. Born in 1603, this Dutch painter died in 1666. At age 14 he attended the University of Leiden, but he left to study art, first locally and then in Amsterdam. By 22, he was accepting pupils. FTP, name this artist whose works are on display at the Metropolitan Museum of Art and the National Gallery in DC, whose works include *Christ Preaching* and *The Night Watch*.

ANSWERS: *Rembrandt* van Rijn

3. Having the lowest "highest point" of any state, according to locals, it loses a county at high tide. With just three counties--New Castle, Kent, and Sussex--FTP, name this state, which borders Pennsylvania, Maryland, and New Jersey, that was the first state to ratify the Constitution.

ANSWER: *Delaware*

4. In the 1100s they were short pieces, fragments of an *organum* [or-GAH-num], with words other than those of the original plainchant. In the 1300s they became large-scale isorhythmic compositions for special occasions. Now, they are short pieces, usually with German or Latin religious texts; famous examples include those of Bach and Palestrina. FTP, name this five-letter music term derived from the French for "word."

ANSWER: *motet* s

5. Working at Bell Labs in 1964, Arno Penzias and Robert Wilson found a constant "background" noise disrupting the reception of their antenna. Instead of ignoring it, they analyzed it, and won a Nobel Prize for doing so. This is because they found leftover radiation from, FTP, what event, postulated by George Henri Lemaître and Edwin Hubble as the beginning of the Universe?

ANSWER: the *Big Bang* (theory) [prompt on "background radiation"]

6. The 17th in a family of 57, he was an unindicted co-conspirator in the World Trade Center bombing. Prosecutors are now trying to link him to the defunct Alkifah Refugee Center in Brooklyn, some of whose members were convicted for a plot to blow up the Lincoln and Holland tunnels in New York. FTP, name this terrorist who prompted US raids in Sudan and Afghanistan.

ANSWER: Osama *bin Laden* [oh-SAH-muh bin LAH-din]

7. The elderly Mr. De Pinna came one day and never left. Penny, a flighty author who seems incapable of ever finishing her novel. The unfortunate Alice whose struggle for normalcy is doomed to failure. The film version of this play won the 1938 Academy Award for Best Picture. FTP, name this play by Moss Hart and George S. Kaufman.

ANSWER: *You Can't Take It With You*

8. This author's books include *Opus 100*, *Opus 200*, and *Opus 300*. Writing over 450 books, spanning subjects from the Bible to Shakespeare, his autobiography was published in 1979 and 1980. Born in Petrovichi, Russia, this author emigrated to New York at age three. FTP, name this author, who died in 1992, the recipient of a special Hugo award for his *Foundation* series.

ANSWER: Isaac *Asimov*

9. Its total value in the early 90s was around \$4 billion--not bad, since it began in the early 50s, when British banks were prohibited from lending pounds to finance non-British trade. The term is now a misnomer, since action occurs in most of the world, not just in Europe. FTP, name this term which refers to deposits in dollars where US citizens or banks play no part in the transaction.

ANSWER: *Eurodollar* or *Eurocurrency*

10. A professor at Oxford, this author, born in South Africa, was a member of the Inklings and TCBS. He worked on the *Oxford English Dictionary* and translated ancient texts such as *Sir Orfeo*, *Pearl*, and *Sir Gawain and the Green Knight*. Known as "Ronald" to his family and friends, FTP, name this author of *The Hobbit*.

ANSWER: J(ohn) R(onald) R(euel) *Tolkien*

11. The goal of this movement is to teach people how to love God. It develops rural communities worldwide, as well as a town of 20,000 in Mayapur, India. Though based on the *Bhagavad-gita*, its adherents disavow the pantheism, polytheism, and caste consciousness of Hinduism. FTP, name this movement, which uses the acronym ISKON, also called the Hare Krishna.

ANSWER: The *International Society for Krishna Consciousness* [accept *Hare Krishna* on early buzz]

12. Found in all eukaryotes, the endosymbiosis [en-DOH-sim-bee-OH-sis] hypothesis proposes that these structures originated as symbiotic bacteria. In mammals, these organelles, enclosed by a double membrane, and bearing their own DNA, are concentrated in sites with high metabolic activity, such as muscle and liver. FTP, name this cellular "powerhouse."

ANSWER: *mitochondrion* or *mitochondria* [NOT "chloroplast"]

13. This 1942 painting made an appearance in a recent episode of Fox's *That 70s Show*. The characters ended up getting dinner at Phillies, and the scene pulled back from live action to a still of this painting, where the couple and another man sit at a lonely diner counter on a city corner. FTP, name this painting by Edward Hopper.

ANSWER: *Nighthawks* [prompt on "Hopper"]

14. This Swiss chemist authored *Hydrodynamia* in 1738. He studied the flow of a fluid and formulated the principle that the pressure exerted by a fluid is inversely proportional to its rate of flow. FTP, name this mathematician, the son of Johann and nephew of Jakob, whose famous self-named equation explains the lift of airplane wings.

ANSWER: **Daniel Bernoulli**

15. In a Chinook legend, one of these animals swallowed the moon and along with the raven visited the land of the dead. The Pomona maintain that he stole the sun to keep the human race warm, whereas the Montana Sioux say that he created the horse. FTP, identify this character involved in many Native American stories as a hero or a trickster, a wily cousin of the wolf.

ANSWER: **coyote**

16. Five times larger than the eruption at Krakatoa, this ancient volcanic eruption dumped 30 feet of ash on the nearby island of Crete. Effectively ending Minoan civilization, one *Reader's Digest* book went so far as to suggest it might be the site of Atlantis. FTP, name this island, the site of the 1500 BC eruption, whose name in ancient Greek means "island of fear."

ANSWER: **Thera or Santorini**

17. This convicted murderer and founder of Earth Day claimed on ABC's *20/20* that either the CIA or KGB framed him in the death of Holly Maddux. Unlike most convicted murderers, he wasn't talking from prison, but from the safety of France, which has refused to extradite him because he was tried *in absentia*. FTP, name this most wanted criminal in Philadelphia.

ANSWER: **Ira Einhorn**

18. The first team sport contested in the modern Olympics, it was won in 1900 by Great Britain. Traditionally dominated by Hungary, Italy, Yugoslavia, and the USSR, in 1996, Spain defeated Croatia for the gold medal. FTP, name this sport, whose US team has been featured in photo shoots in *Life* magazine and *Sports Illustrated*'s swimsuit issue.

ANSWER: **water polo**

19. In Russian legend, this smith binds water and earth with heavy chains. In Germany, he's a she--an old woman who shakes her bed of feathers to make it snow. His origins may be in Norse mythology, where he is sometimes called Jokul [YAH-kool], which means "ice." FTP, name this elvish creature, who personifies crisp, cold weather, who *didn't* star in a Michael Keaton bomb.

ANSWER: **Jack Frost**

20. Philip Zimbardo chose 24 Stanford students for this experiment. Roles were divided at random and after that the students were on their own. The exercise was shut down less than halfway through, because of violent episodes between the participants. FTP, name this experiment gone awry that gained national attention in 1971.

ANSWER: **Stanford (Mock) Prison Experiment**

21. Chicago. St. Louis. Tulsa. Oklahoma City. Amarillo. Santa Fe. Albuquerque. Flagstaff. Needles. Finally, Santa Monica. Going through eight states, this road passes through all the above cities and hundreds of others. FTP, name this famous road, namesake of a clothing line by K-Mart, on which you can get your kicks.

ANSWER: **Route 66**

22. This term originated in Turgenev's *Fathers and Sons*. Its ethical form holds that morality cannot be justified in any way; and therefore that moral values are irrational and meaningless. Its political form holds that societal institutions are so corrupt that they should be destroyed. FTP, name this eight-letter philosophy.

ANSWER: **nihilism**

23. The father was widely known in Europe for his Helsinki railroad station and urban planning projects before moving to the US. The son's independent work includes the GM Technical Center, MIT's Kresge Auditorium, Yale's Ingalls Rink, and the prizewinning Jefferson National Expansion Memorial design for St. Louis, Missouri. FTP, give the last name of Elial and Eero.

ANSWER: **Elial and Eero Saarinen** [accept either first name if given]

24. His recent credits have included *Firehouse*, *Hellraiser IV*, *Illusion Infinity*, and the TV version of *Dune*. All of these movies were turkeys, as are most of his films, with the possible exception of his first film, the *Death of a Gunfighter*. FTP, name this director who would have been out of a job long ago if he actually existed.

ANSWER: **Alan Smithee**

25. This country's name means "resplendent land." Gaining independence in 1948, after almost 450 years of European rule, it has 725 miles of coastline. With the capital just 8 north of the equator, the weather is often lovely, unless you're caught by a monsoon. FTP, name this third largest tea producer, formerly called Ceylon.

ANSWER: **Sri Lanka**

26. Noted for his role as the central alien in 1976's *The Man Who Fell to Earth*, he portrayed John Merrick in the 1981 Broadway version of *The Elephant Man*. However, he is best known for his music: his albums include *Hunky Dory*, with the songs "Changes," "Station to Station," and "Heroes." FTP, who introduced us to astronaut Major Tom in the single "Space Oddity?"

ANSWER: **David Bowie**

27. Used primarily as a fertilizer, this solid material is 46% nitrogen. Currently produced from a high pressure reaction of ammonia and carbon dioxide, it was first synthesized by Friedrich Wöhler [VUH-luhr] in 1828, from ammonia and cyanic acid. FTP, name this material, the first organic compound to be synthesized from inorganic materials.

ANSWER: **urea** [you-REE-uh]

28. Immigrants came in waves from Indonesia to this island until the 1400s. Queen Ranavalona expelled all Europeans, but they returned

when she died in 1861. Seized as a French colony in 1896, in 1947 an armed revolt broke out because the citizens were not satisfied with French rule. FTP, name this country, that gained full independence in 1960, located in the Indian Ocean.

ANSWER: **Madagascar**

29. Predominant themes in his stories include "man meets machine" and "who controls the government?" Born in Sannuma, Japan in 1954, at 19 he moved to Tokyo to become a cartoon artist. His first professional work was *Jusei*. His more notable works include *Sayonara Nippon*, *Fireball*, and *Domu*. FTP, name this *manga* guru most famous for his sci-fi classic, *Akira*.

ANSWER: Katsuhiro **Otomo**

30. Located in Marin County, CA, about 10 miles north of San Francisco, it was built in 1852 with convict labor, and some of the original buildings are still in use. Built to hold 2,700 residents, it's almost as infamous as its brother across the bay. FTP, name this institution, that appears in *Blood in Blood Out: Bound By Honor*.

ANSWER: **San Quentin** Prison

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ROUND 12 BONI
Delaware

1. 30-20-10. Name the album from songs.

[30] "Rapunzel", "The Dreaming Tree"

[20] "Halloween", "Don't Drink the Water"

[10] "Stay (Wasting Time)"

ANSWER: **Before These Crowded Streets** by the Dave Matthews Band

25 POINT BONUS

2. Identify these medieval philosophers, for the stated number of points.

[10] Author of *The City of God* and *Confessions*, this Christian theologian was the Bishop of Hippo.

ANSWER: Saint **Augustine** of Hippo

[15] This Franciscan Scotsman wrote *Ordinatio* [or-duh-NAH-tee-oh], arguing Mary need not have contracted original sin from Jesus's birth. His name gave rise to a word for "fool."

ANSWER: John **Duns Scotus** or **Doctor Subtilis**

3. Answer these questions on databases, 10 points each.

a. This is the association between two data tables.

ANSWER: **relationship**

b. This is the procedure of retrieving certain items from certain tables.

ANSWER: **query**

c. This is the process of splitting up data among several tables to reduce redundancy.

ANSWER: **normalization**

4. 30-20-10. Name the work.

[30] Published by Simon and Schuster in 1996, this book is based on a 1993 article in *Foreign Affairs*.

[20] In either form, this controversial work used examples such as the Balkan crisis and the Persian Gulf War to show that the world was divided among ethnic lines.

[10] Written by Samuel Huntington, the lion's share of this work details the conflict between different societies.

ANSWER: **The Clash of Civilizations and the Remaking of World Order**

5. Given the work or works, identify the author. Ten points each.

a. *Death Comes for the Archbishop, Sapphira and the Slave Girl* ANSWER: Willa **Cather**

b. *The Member of the Wedding* ANSWER: Carson **McCullers**

c. *The Awakening, At Fault* ANSWER: Kate **Chopin**

6. Do you know your World War I aces, and the airplanes they flew? 10 points each.

a. This German plane was the first airplane that could fire a machine gun through its propellor.

ANSWER: **Fokker** Eindekker

b. This British airplane has been credited with more kills than any other plane of World War I.

ANSWER: **Sopwith Camel**

c. This French airplane was the first to have a V-line engine, and could reach speeds up to 130 mph.

ANSWER: **S.P.A.D. 7**

7. Given an item in French, state whether you would eat it, drink it, spend it, wear it, ride it, or "get jiggy with it," 10 points each.

a. *un sous* [ahn soo] ANSWER: **spend** it

b. *un soulier* [ahn soo-lee-ay] ANSWER: **wear** it [a shoe]

c. *un croque-monsieur* [ahn croak-mih-syoo] ANSWER: **eat** it [a type of sandwich]

8. 30-20-10, name the work.

[30] This work, dealing with passion and erotic imagery, is 12,000 lines long and originally written in hexameter.

[20] Chronologically organized, it begins at the Creation and ends with the Caesar's death and deification.

[10] Many of the tales told in this Latin work show transformations, from chaos to order or *vice versa*.

ANSWER: The *Metamorphoses* of Ovid [do not accept "Metamorphosis"]

25 POINT BONUS

9. Given names of minor characters, name the Shakespearean play, for the stated number of points.

[5] Rosencrantz, Guildenstern, Yorrick

ANSWER: *Hamlet*

[10] Nerissa, Launcelot Bobbo, Jessica

ANSWER: *The Merchant of Venice*

[10] Westmoreland, Pistol, Fluellen, and of course, Boy

ANSWER: *The History of King Henry V*

10. 30-20-10. Name the actor.

[30] Born June 1, 1937 in Memphis, he won a "Silver Berlin Bear" and Golden Globe in 1990.

[20] His directorial debut was *Bopha!*, starring Danny Glover

[10] While 1999 looks promising, his best year was arguably 1989 with *Driving Miss Daisy* and *Lean On Me*.

ANSWER: Morgan *Freeman*

11. Answer these questions on Islamic arts, 10 points each.

a. A characteristic Islamic decoration consisting of highly interlaced flowers, animals or geometric patterns, this term comes from the French.

ANSWER: *arabesque*

b. This short-necked lute, with four or five strings, is a popular string instrument in Egypt.

ANSWER: *oud* or *'ud* [ood]

c. This mosque palace and fortress of the Moorish monarchs is situated in Granada.

ANSWER: *Alhambra*

12. Identify the electrical elements from a description, 10 points each:

a. Two insulated conductors, isolated from their surroundings, carrying equal and opposite charges.

ANSWER: *capacitor*

b. A coil of wire in which an electromotive force is created by changes in current.

ANSWER: *inductor*

c. Two coils of wire wound around an iron core. The voltage in the second coil is proportional to the ratio of the number of turns of the coils times the primary coil voltage.

ANSWER: *transformer*

13. 30-20-10. Name the painter.

[30] Born in Limoges, France he often used his friends, wife, and babies as models. He was famous for his pictures of young girls and children, as well as his intimate depictions of middle class life.

[20] Alive from 1841-1919 he and Monet developed the broken color technique of the Impressionists.

[10] Some of his works were Oarsmen at Chatou and The Children's Afternoon at Wargemont.

ANSWER: Pierre Auguste *Renoir*

25 POINT BONUS

14. Answer these questions on transpositions, for the stated number of points.

[10] If you transpose F major to its relative minor, what key do you end up in?

ANSWER: *D* minor

[15] You write a song in D major. Your soloist starts singing in E minor, and you want to write down that version too. How many sharps do you have to add or subtract to switch keys?

ANSWER: *subtract 1* sharp

15. 30-20-10. Name the author from works.

[30] *My Uncle Oswald*, "The Way Up to Heaven"

[20] *Switch Bitch*, "The Landlady"

[10] *Matilda*, *The Witches*

ANSWER: Roald *Dahl*

16. Most DNA mutations are changes in one base pair. Name these point mutations, 10 each.

a. This mutation results in formation of a stop codon, resulting in a shorter, usually non-functional peptide.

ANSWER: *nonsense* mutation

b. This mutation changes one amino acid to another. A full chain is still formed, though it may not be functional.

ANSWER: *missense* mutation

c. This mutation substitutes one nucleotide for another without changing the final protein.

ANSWER: *silent* mutation [accept *wobble*]

17. The European Union has recently been deciding which countries merit "fast-track" membership. Six countries have fast-track status as of January 1. Five points each, name them.

ANSWER: *Poland*, *Hungary*, *Slovenia*, *Estonia*, *Cyprus*, *Czech Republic*

18. Identify the English king from his nickname, 10 points each.

a. The Unready ANSWER: *Ethelred II*

b. The Hammer of Scotland ANSWER: *Edward I*

c. Lackland ANSWER: *John*

19. Identify these Russian rivers from their paths, 10 points each.

a. Beginning in Mongolia, it flows along the Russo-Chinese border, and empties into the Sea of Okhotsk [uh-KHOH-tsk]

ANSWER: *Amur* [AH-mihr]

b. It flows from the Black Sea and Rostov to southwest of Moscow.

ANSWER: *Don*

c. It flows from Lake Baikal (Buy-kahl) to the Arctic Ocean

ANSWER: *Lena* [LEE-nuh or LAY-nuh]

20. Identify the polymer from the monomers, 10 points each.

a. adipic acid and hexamethylene diamine

ANSWER: *nylon 6,6* or *polyamide*

b. dimethylene terephthalate [the-ruh-THAH-late] and ethylene glycol

ANSWER: *polyester* or *polyethylene terephthalate*

c. tetrafluoroethene

ANSWER: *Teflon*

21. For the stated number of points, answer the following questions about economics.

[3x5] Economists talk about a triple identity for a profit-maximizing firm that says $P = MR = MC$. What do P, MR, and MC stand for?

ANSWER: *Profit*, *Marginal Revenue*, and *Marginal Cost*

[15] Finally, this year's Nobel Prize winner in Economics is a professor at Trinity College in Cambridge, UK. Name him for 15, or his country of birth for 5.

ANSWER: Amartya *Sen* [15] or *India* [5]

22. 30-20-10-5. Name the philosopher from works.

[30] *Essays on Suicide and the Immortality of the Soul*

[20] *The Natural History of Religion; My Own Life*

[10] *Treaties of Human Nature*

[5] *An Enquiry Concerning Human Understanding*

ANSWER: David *Hume*

25 POINT BONUS

23. The US won the most silver medals at the 1996 Summer Olympics. Five points each, 25 for all four, name the four countries that finished second through fifth.

ANSWER: People's Republic of *China*; *Russia* n Federation;

Federal Republic of *Germany*; *South Korea* or the *Republic of Korea*

24. Answer the following questions about 1998 events in Nigeria, 10 points each.

a. A general and former leader of Nigeria, he died in June of a heart attack.

ANSWER: Sani *Abacha* [SAH-knee ah-BAH-chah]

b. In July, this imprisoned winner of 1993 elections also died of a heart attack, a day before his scheduled release.

ANSWER: Moshood *Abiola* [moe-SHOOD ah-bee-OH-lah]

c. Abiola was from this ethnic group from southwest Nigeria.

ANSWER: *Yoruba* [yoh-ROO-bah]

25. Answer these questions about the Nobel Prizes, for the stated number of points.

[5] In what year was the first Economics prize awarded?

ANSWER: 1968

[10] This is the only prize that is not awarded in Stockholm.

ANSWER: the Nobel *Peace* Prize

[10] This man is the only *posthumous* winner of the Nobel Peace Prize.

ANSWER: Dag *Hammaraskjoeld* [HAH-muhr-shkold]

26. When was the last time you ran out of disk space or memory? Ten points each.

a. How many megabytes can be stored on a 3.5 inch high-density IBM formatted diskette?

ANSWER: 1.44 megabytes

b. How many kilobytes of conventional memory does an IBM computer have?

ANSWER: 640 kilobytes

c. How many bytes of random access memory did a Commodore 64 contain?

ANSWER: 64 bytes

27. Seven countries have land above the Arctic Circle. Canada is one. Five points each, name the other six.

ANSWER: *Russia*, *Finland*, *Sweden*, *Norway*, *Denmark* [Greenland!], *United States*

28. The Bellagio [buh-LAH-zhee-oh], a \$1.6 billion hotel/casino complex, just opened in Las Vegas. Answer these questions about it, 10 points each.

a. Name the casino developer who built Bellagio.

ANSWER: Steve *Wynn*

b. Wynn built Bellagio on the site of this former Vegas landmark.

ANSWER: The *Dunes*

c. Wynn spent another \$300 million purchasing art including works by this creator of the *Sunflower* series.

ANSWER: Vincent *van Gogh*

29. Identify the ballet terms from the definition, 10 points each

a. A leap in which the lower leg beats against the upper one at an angle, before the dancer lands again on the lower leg.

ANSWER: *cabriole*

b. A bending of the knees in any of the five positions.

ANSWER: *plié* [plee-AY]

c. A turn on one leg, with the toe of the other leg touching the knee of the turning point.

ANSWER: *pirouette*

20 POINT BONUS

30. It's merger mania! Given the company, name the company with which it's merging, 10 points each.

a. Greyhound Bus Co. ANSWER: *Laidlaw*, Inc.

b. Bankers Trust Co. ANSWER: *Deutsche Bank* [prompt on "German"]

26. The name's the same. A structure containing reproductive organs in non-flowering plants like pine trees. A class of specialized epithelial cells on the retina that mediate color vision. FTP, what name do they share with a geometrical solid obtained by revolving a right triangle about one of its legs?

ANSWER: *cone* s

27. During medieval times, this section of the Crimean peninsula was actually held by Genoa. The Tatars drove the Genoese out in the early 1400s, but the Turks captured it in 1475. The Russians gained control in 1783, and in 1854 they defended it against Lord Cardigan and his poorly armed English horsemen. FTP, name these heights, site of the Charge of the Light Brigade.

ANSWER: *Balaklava*

18. The common name of this Native American nation comes from the Ojibwa for "little snakes." Calling themselves the Oceti Sakowin [OH-suh-tee SAH-koh-win], of their many tribes, only one tribe actually made their living off of hunting buffalo--the Lakota. FTP, name this nation, whose leaders included Sitting Bull and Crazy Horse.

ANSWER: *Sioux*

38. In April 1999, Tom Hanks, Gary Sinise, and William Sadler, will appear in the film version of this novel. Published in six parts over the course of several months, the book was first published in 1996, and sold in novel form upon its completion. FTP, name this Stephen King thriller set in a prison on Death Row?

ANSWER: *The Green Mile*