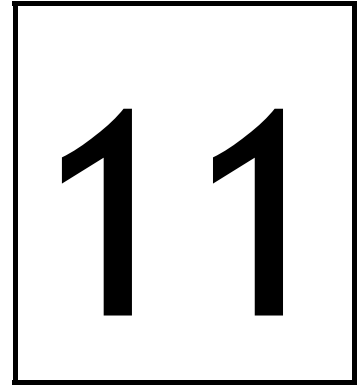


# PENN BOWL 11

## Boni by Maryland & Rochester



**1** Name these men who didn't need codpieces, 10 points each.

[10] This scholastic philosopher who had his teachings condemned by St. Bernard was castrated by Canon Fulbert of Notre Dame.

ANSWER: Peter Abelard or Pierre Abélard or Petrus Abaelardus

[10] Nicknamed the "Hammer of the Goths," he bribed the Blues to end the Nika revolts, defeated Totila, and became prefect of Italy.

ANSWER: Narses [do not accept "Narseh"]

[10] This Ming "Grand admiral" reached Somalia on his sixth voyage, and needed massive warehouses in Malacca to sort through his treasure.

ANSWER: Zheng He or Cheng He

**2** Name these vectors from electricity and magnetism, 15 points each.

[15] The magnitude of this vector equals the product of two electric charges times their distance. It can be used to describe bond polarity, and points towards the positive charge.

ANSWER: electric dipole moment

[15] Denoted  $S$ , this vector is the cross product of the electric field  $E$  and the magnetic field  $B$  divided by the permeability constant.

ANSWER: Poynting vector

**3** Name these calculus theorems, 15 points each.

[15] This theorem states that the line integral of the sum of two functions  $f$  and  $g$  of  $x$  and  $y$  is equivalent to the double integral of the difference of certain partial derivatives of  $f$  and  $g$ .

ANSWER: Green's Theorem

[15] This higher-order version of Green's theorem states that the line integral of a vector-valued function  $F$  equals the double integral over the surface of the dot product of the curl of  $F$  and the normal vector  $n$ .

ANSWER: Stokes' theorem

**4** Name these African authors from works, 15 points each.

[15] *A Dance of the Forests, Death and the King's Horsemen, The Lion and the Jewel.*

ANSWER: Wole Soyinka

[15] *The Lying Days, The Conservationist, July's People.*

ANSWER: Nadine Gordimer

**5** Name these gaps, 10 points each.

[10] This division, named for a 17<sup>th</sup> century astronomer, lies between Saturn's A and B rings.

ANSWER: Cassini division

[10] This 200-mile-wide gap, whose discoverer is also the namesake of a short-period comet, divides material within Saturn's A ring.

ANSWER: Encke division

[10] These radial gaps in the asteroid belt are caused by resonance with Jupiter's gravitational field.

ANSWER: Kirkwood gaps

**6** Name these figures from Mexican history, 10 points each.

[10] This priest began the movement for independence with his *Grito de Dolores* in 1810.

ANSWER: Father Miguel Hidalgo y Castillo

[10] The French set this Hapsburg prince up as a dictator from 1864 to 1867.

ANSWER: Maximilian

[10] He led a successful revolt against Benito Juarez in 1876 and led Mexico until 1911, except for a small break from 1880 to 1884.

ANSWER: Porfirio Diaz

**7** Given a WNBA team's leading scorer in 2001, name the team, 10 points each.

[10] Lauren Jackson ANSWER: Seattle or Seattle Storm

[10] Jackie Stiles ANSWER: Portland or Portland Fire

[10] Nykesha [nye-KEE-shah] Sales ANSWER: Orlando or Orlando Miracle

**8** Name these epithets from American history, 10 points each.

[10] This was the Southern term for Northerners who went south, running for office as Republicans during Reconstruction. It's also been used on Hillary Clinton.

ANSWER: Carpetbagger(s)

[10] These white Southerners, often Republicans, cooperated with blacks and Northerners to implement Reconstruction.

ANSWER: Scalawag(s)

[10] These independent Republicans abandoned Blaine in the 1884 election, backing Grover Cleveland.

ANSWER: Mugwump(s)

**9** Name these people involved in the First Crusade, 10 points each.

[10] After leading one of the first contingents across the Bosphorus, this itinerant preacher eventually died a pauper.

ANSWER: Peter the Hermit or Pierre l'Ermite

[10] This French Duke, one of Christianity's Seven Worthies, became Jerusalem's first king.

ANSWER: Godfrey of Bouillon (or Boulogne) or Godefroi de Bouillon or Godfrey IV

[10] Alexius II of this dynasty sent the plea for help that led to the First Crusade; the Fourth Crusade removed them from power.

ANSWER: Alexius II Comnenus

**10** 30-20-10. Name the game.

[30] It was invented in 1943 by Anthony Pratt, a solicitor's clerk.

[20] Players in the large corner spaces may travel to the corner diagonally opposite, but otherwise, cannot move diagonally or jump spaces.

[10] The game features nine rooms, six weapons, and six suspects, any of whom could have killed Mr. Boddy.

ANSWER: Clue or Cluedo

**11** Given the name of a vitamin, give its letter designation, 10 points each.

[10] retinol [reh-tih-NOHL] ANSWER: vitamin A

[10] phylloquinone [fih-loh-KWY-nohn] ANSWER: vitamin K

[10]  $\alpha$ -tocopherol [alpha tuh-KAH-fuh-rol] ANSWER: vitamin E

**12** Name these wide receivers for the San Francisco 49ers, 10 points each.

[10] Number 80, he has more touchdowns than any player in NFL history.

ANSWER: Jerry Rice

[10] Number 81, he made the Pro Bowl in 2001, and is one of this season's leading receivers.

ANSWER: Terrell Owens

[10] Number 87, he made "The Catch" that got the 49ers into their first Super Bowl. He later worked in the front office in San Francisco and Cleveland.

ANSWER: Dwight Clark

**13** Name these American folk tale figures, 10 points each.

[10] This huge dude is best remembered for digging the Grand Canyon and owning a big blue ox named Babe.

ANSWER: Paul Bunyan

[10] The love of Slue-footed Sue, coyotes raised this legendary cowboy after he fell from his parents' wagon.

ANSWER: Pecos Bill

[10] He named himself owner of the Eel River, which he discovered with his sister Molly. This West Virginian had two oxen, Hannibal and Goliath; he chopped trees down two at a time.

ANSWER: Tony Beaver

**14** Avast, mateys! Name these parts of a sailing ship, 10 points each.

[10] All the various lines and chains used aboard a ship, especially those around the sails.

ANSWER: rigging

[10] Often used as weapons during mutinies, these clublike objects were officially used to secure ropes and lines.

ANSWER: belaying pins

[10] This oft-abbreviated term could refer to the forward section of the upper deck *or* the crew quarters.

ANSWER: forecastle or fo'c'sle

**15** Africa's lowest point may not be what cartographers thought it was. 10 points each.

[10] This basin in the Libyan desert was once thought to be the lowest point in Africa.

ANSWER: Qattara [KAH-tuh-ruh] Depression or Munkhafad al-Qattarah

[10] The Qattara Depression is located in this country.

ANSWER: Egypt

[10] The lowest point in Africa may actually be Lake Assal in this nation.

ANSWER: Djibouti

**16** Musical plagiarism is not uncommon. 10 points each.

[10] Borodin's *Polovtsian Dances* were unashamedly plagiarized by this musical.

ANSWER: Kismet

[10] Andrew Lloyd Webber "borrowed" the theme from this work for the *Cats* song "Memory."

ANSWER: Boléro

[10] "We Are the World" borrows much of its theme from this Christmas song.

ANSWER: "Do You Hear What I Hear?"

**17** 30-20-10-5. Name the artist from works.

[30] *Holiday, When Shall We Be Married?*

[20] *The Vision After the Sermon, The Yellow Christ*

[10] *Where Do We Come From? What are We? Where are We Going?*

[5] *The Tahitian*

ANSWER: (Eugène-Henri-)Paul Gauguin

**18** How well do you know your African insect gods? 10 points each.

[10] In some myths, the Egyptian god Khepera [khuh-PEH-ruh] created the world with the help of the water god Nu. Khepera took this form.

ANSWER: scarab or beetle

[10] Though his title of “Lord of the Flies” may be a mistranslation, this Philistine deity was worshipped at Ekron.

ANSWER: Beelzebub or Baalzebul or Baalzebub [do not prompt on “Baal”]

[10] OK, he’s an arthropod, not an insect, but this Ashanti spider-god is a trickster god like Loki.

ANSWER: Anansi

**19** Name these artificial languages, 10 points each.

[10] This language’s 16 grammatical rules and 28-letter alphabet were invented by L.L. Zamenhof.

ANSWER: Esperanto

[10] This descendant of Esperanto was invented in 1907.

ANSWER: Ido

[10] This complicated language invented by Jean-François Sudre in 1820 can be whistled, sung, or played on an instrument. Its name comes from two syllables in the solfege scale.

ANSWER: Solresol [sole-RAY-sole]

**20** Answer these questions about branches of chemistry, 10 points each.

[10] Zymurgy is the study of what process?

ANSWER: fermentation

[10] What 13-letter name is given to the analysis and calculation of the quantities of reactants and products in a chemical reaction?

ANSWER: stoichiometry

[10] What branch of chemistry deals with compounds containing ligand-bound metal ions?

ANSWER: coordination chemistry

**21** Name these linguistic laws, 15 points each.

[15] This 1827 law explained the shifts in consonant sounds from Indo-European to German, such as how aspirated *b* became *p* and how aspirated *g* became *k*.

ANSWER: Grimm’s law

[15] This 1875 law established that Grimm’s law was consistent and could account for all cognate evolution.

ANSWER: Verner’s law

**22** Name these people for great justice and 10 points each.

[10] This king ruled Albania from 1926 to 1946.

ANSWER: King Zog I

[10] This Slovak now plays for the Kings after spending his first six seasons in the NHL with the Islanders.

ANSWER: Zigmund "Ziggy" Palfy

[10] This Swiss canton, a center of international business because of its low taxes,

ANSWER: Zug [zoog]

**23** Spencer Tracy won Academy Awards for Best Actor for *Captains Courageous* and *Boys Town*. He was nominated for Best Actor for *seven* other movies. Name any *three* of those seven films, 10 points each. *You have 10 seconds.*

ANSWER: *Bad Day at Black Rock*   
*Father of the Bride*   
*Guess Who's Coming to Dinner?*   
*Inherit the Wind*   
*Judgment at Nuremberg*   
*The Old Man and the Sea*   
*San Francisco*

**24** It contains many groups of hexagonal galleries, each containing 20 bookshelves. In it one can find every book ever written—and every one ever *not* written. 15 points each.

[15] Name this title location of a short story.

ANSWER: "The Library of Babel"

[15] Name the Latin American author of "The Library of Babel."

ANSWER: Jorge Luis Borges [bore-HAYS]

**25** A hedonistic government named ONAN is trying to track down an underground videotape. 10 points each.

[10] Name this novel centered around drug-addicted tennis star Hal Incandenza.

ANSWER: *Infinite Jest*

[10] Who wrote *Infinite Jest*?

ANSWER: David Foster Wallace

[10] In this novel, Wallace's first, a girl dumps her short boyfriend for a better-endowed Amherst grad. It also features weird telephone mixups and baby-enhancing formula.

ANSWER: *The* *Broom of the System*

**26** 30-20-10. Name the author from works.

[30] *A Tangled Web, The Blue Castle*

[20] *Emily of New Moon, Pat of Silver Bush*

[10] *The Story Girl, The Golden Road*

ANSWER: Lucy Maud Montgomery

**27** Name these islands from *Gulliver's Travels*, 10 points each. [HN: accept adjectival forms]

[10] All of this island's inhabitants stand about 60 feet tall.

ANSWER: Brobdingnag

[10] This island houses sorcerers and magicians who can call people back from the dead for 24 hours.

ANSWER: Glubdubdrib

[10] On this island, everyone's head is reclined to either the left or right. Their clothes are covered with suns, moons, stars, and musical instruments.

ANSWER: Laputa

**28** Located in Alabama, this school was founded in 1880 to train black teachers. 10 points each.

[10] Name this historically Black school.

ANSWER: Tuskegee Institute or University

[10] Tuskegee's founder and first president was this author of *Up from Slavery*.

ANSWER: Booker T(aliaferro) Washington

[10] Tuskegee's third president was this man, the founder of the United Negro College Fund.

ANSWER: Frederick Patterson