



BOWL ROUND 10

1. This man used the phrase *Hypotheses non fingo* in a response to criticisms of his *Philosophiae Naturalis Principia Mathematica*, a book in which he published his Universal Law of Gravitation. For 10 points, what English scientist was inspired to develop a theory of gravitation after watching an apple fall from a tree?

ANSWER: Isaac **Newton**

003-12-65-10101

2. This leader cleared the Lampedusa Island refugee camp of African immigrants. This owner of the broadcasting company Mediaset was accused by a Moroccan belly-dancer of hosting "bunga bunga" parties with underage girls while in office. For 10 points, name this gregarious rival of Romano Prodi who resigned in 2011 in favor of Mario Monti after his third time as Italy's prime minister.

ANSWER: Silvio **Berlusconi**

104-12-65-10102

3. The female lead's first aria in this opera is borrowed from its composer's earlier work, *Elizabeth, Queen of England*, and that aria from this opera is quoted by the clarinet in the "Fossils" movement of *Carnival of the Animals*. This opera's aria "Una voce poco fa," follows a scene in which Almaviva serenades Rosina and the title character sings "Largo al factotum." For 10 points, name this Rossini opera about Figaro.

ANSWER: *The **Barber of Seville**, or The Useless Precaution* [*Il **barbiere di Siviglia**, ossia L'inutile precauzione*]

142-12-65-10103

4. Sharia law was implemented in this country under General Zia ul-Haq, who, after overthrowing a prime minister named Zulfikar from the PPP, expanded its intelligence service known as the ISI. In another coup in this country, Nawaz Sharif was overthrown by Pervez Musharraf, who himself resigned after the assassination of Benazir Bhutto. For 10 points, name this Islamic country that was partitioned from India.

ANSWER: Islamic Republic of **Pakistan** [or Jamhuryat Islami **Pakistan**]

080-12-65-10104

5. This man served as a PS2 on the *Discovery* to examine the effects of weightlessness on aging. This man was succeeded by George Voinovich in 1999 as a Senator from Ohio, and he spent five hours on the *Friendship 7* in 1962. For 10 points, name this Democratic politician and member of the "Mercury Seven" who was the first American to orbit the Earth.

ANSWER: John Herschel **Glenn**, Jr.

023-12-65-10105

6. This phenomenon was first documented in a paper by Farman, Gardiner, and Shanklin, who used data from the Halley Bay Observatory. The mechanism by which chlorine peroxide caused this phenomenon was discovered by Mario Molina. For 10 points, the 1985 discovery of what phenomenon in the stratosphere increased pressure on countries to ban the use of CFCs?

ANSWER: Antarctic **ozone hole** [or **hole** in the stratospheric **ozone layer** over Antarctica; or obvious equivalents]

003-12-65-10106

7. These events were documented in *The Red Record* by Ida B. Wells-Barnett, and this practice is the subject of Billie Holiday's song "Strange Fruit." Emmet Till was the victim of one of these actions, and, in general, they were prompted by accusations of rape or perceptions of "insolence." For 10 points, name these events common in the Deep South, in which primarily-white mobs murdered black men.

ANSWER: **lynchings** [or equivalents]

080-12-65-10107

8. Alexander Hamilton defended this policy in his "Pacificus" letters. This policy was jeopardized by the arming of the *Little Sarah* and the outfitting of privateers in South Carolina by Citizen Genet. This policy was also violated by the *Chesapeake-Leopard* affair. For 10 points, name this policy, according to which America did not intervene in the wars between France and Great Britain.

ANSWER: American **neutrality** between France and Great Britain [or equivalents before "intervene" is read]

080-12-65-10108

9. This sculptor created *The Table of Silence*, *The Kiss Gate*, and the 95 foot tall *Endless Column* in honor of soldiers who defended Targu Jiu during World War I. Another work by this sculptor was taxed going through customs despite its being a piece of art. For 10 points, name this Romanian sculptor who created *The Kiss* and *Bird in Space*.

ANSWER: Constantin **Brancusi**

023-12-65-10109

10. At one point in his career, this athlete was traded for Paul Neumann, Conie Dierking, and Lee Shaffer. He set the NBA record for rebounds in a game with 55, and, with the Philadelphia Warriors, scored 100 points in a game. This man had a feud with the younger Kareem Abdul-Jabbar. For 10 points, name this Lakers great whose height led to his nickname "the Stilt."

ANSWER: Wilton Norman **Chamberlain**

189-12-65-10110



1. This deity questioned his daughter's suitor Alvis until the sun came up, causing Alvis to turn into stone. In one story, he disguised himself as Freya to retrieve a possession from Thrymr. He will kill the Midgard Serpent at Ragnarok, and then take 9 steps and die from the serpent's poison. For 10 points, name this Norse God of Thunder.

ANSWER: **Thor**

BONUS: Thor's primary weapon is this hammer, which he uses to shoot lightning bolts and kill his enemies.

ANSWER: **Mjollnir** [or **Mjolnir**; or **Mjolner**]

186-12-65-10101

2. This era was preceded by Zedekiah's reign. This period is the setting of the Book of Tobit and Judith's beheading of Holofernes. Ezekiel preached during this era, which ended in 538 BCE by Persian emperor Cyrus the Great's decree. For 10 points, the Biblical Jeremiah foretells of what historical period in which Jews lived under Nebuchadnezzar outside their homeland?

ANSWER: the **Babylonian captivity** of the Jews [or the Jewish **exile** in **Babylon**]

BONUS: What purported historical book of the Old Testament depicts the title priest teaching law after returning exiles rebuild the Temple?

ANSWER: Book of **Ezra**

104-12-65-10102

3. During the 2011 World Series, this player became the third player to hit three home runs in one game. This player holds the record for most 30 home run seasons to begin a career, with 11. Known as "the Machine," for 10 points, name this first baseman for the Angels.

ANSWER: Jose Albert **Pujols** Alcantara [or Jose Albert Pujols **Alcantara**]

BONUS: Pujols spent the first 11 seasons of his career with this NL Central team, whose current stars include David Freese and Matt Holliday.

ANSWER: St Louis **Cardinals** [or **St Louis** Cardinals; prompt on **Cards**]

186-12-65-10103

4. One of these objects was given to Esek Hopkins for use on the *Albert* after the creation of the Continental Navy. Another one of these objects may have been created by a woman who was visited by her uncle, Robert Morris, and George Washington and who suggested using five-pointed stars on it. For 10 points, name this object, one of which is described in the US national anthem and was allegedly created by Betsy Ross.

ANSWER: **flags** [accept Gadsden **flags** before "Robert Morris"]

BONUS: This man may have designed his namesake flag, which depicts a rattlesnake above the words "Don't Tread on Me."

ANSWER: Christopher **Gadsden**

023-12-65-10104

5. This program was reinforced by the departure of the "Twenty-Five Thousanders" from the city. This policy led to the slaughter of millions of farm animals and caused a disastrous famine called the Holodomor. This program was supposed to improve peasant productivity by organizing them like industrial workers. For 10 points, name this forced pooling of agricultural resources implemented in the USSR.

ANSWER: **collective farming** in the USSR [or **collective agriculture**; or **collectivization**]

BONUS: The collectivization of farms was accompanied by the liquidation of what class of relatively well-off peasants, whose name is Russian for "fist?"

ANSWER: **kulaks**

080-12-65-10105

6. One species in this genus was named after Andrew Carnegie's wife Louise. Its type species, *ajax*, was named by Othniel Marsh, who mistakenly added a Camarasaurus-like skull to its skeleton and declared it a new genus. For 10 points, what genus of dinosaur is no longer scientifically referred to by the term *Brontosaurus*?

ANSWER: **Apatosaurus** [prompt on **Brontosaurus** before read]

BONUS: The "Bone Wars" refers to the rivalry between Marsh and Edward Drinker Cope, members of what profession that uses fossils to examine ancient life?

ANSWER: **paleontologists** [or word forms, such as **paleontology**]

003-12-65-10106

7. The court-martial of Uriah Levy for using a strange alternative to this practice slowed its abandonment, but this practice was finally barred by Congress in an 1850 law sponsored by New Hampshire Senator John P. Hale. The subject of Herman Melville's novel *White-Jacket* was, for 10 points, what form of naval discipline involving the beating or whipping of sailors as the only punishment for any offense?

ANSWER: naval **flogging**

BONUS. John P. Hale served in the Senate as a member of what party, which nominated him for President in 1852, four years after running Martin van Buren as its candidate?

ANSWER: **Free Soil** Party

019-12-65-10107

8. Ronald Rivlin pioneered the study of materials not governed by this statement, and it was originally published as an anagram of the phrase "Ut tensio, sic vis." This statement gives rise to a potential energy function of one-half kx^2 , and its basic form states that force is proportional and opposite to displacement. For 10 points, name this law proposed by a Scottish physicist governing spring motion.

ANSWER: **Hooke**'s law of elasticity

BONUS: The stress tensor found in three-dimensional versions of Hooke's law is named after this French mathematician, who also names an inequality on inner products with Schwartz.

ANSWER: Agustin-Louis **Cauchy**

193-12-65-10108



WORLD WAR II

Give each of the following about battles or operations occurring during World War II.

1. 1944 to 1945 battle fought in the Ardennes Forest that included the Malmedy Massacre.

ANSWER: Battle of the **Bulge**

2. Region of France whose beaches were where Operation Overlord took place.

ANSWER: **Normandy**

3. July to October 1940 air campaign waged by Germany against the RAF.

ANSWER: Battle of **Britain**

4. 1942 to 1943 battle in which the Soviets repulsed a German siege of present-day Volgograd.

ANSWER: Battle of **Stalingrad**

5. German battleship that sunk the HMS *Hood*, but was itself sunk two days later.

ANSWER: **Bismarck**

6. French city from which Allied forces were evacuated in Operation Dynamo.

ANSWER: **Dunkirk** [or **Dunkerque**]

7. Code name for Germany's initial invasion of the Soviet Union.

ANSWER: Operation **Barbarossa** [or Operation **Fritz**]

8. September 1944 operation that attempted an airborne invasion of Germany and the Netherlands.

ANSWER: Operation **Market Garden**

131-12-65-1010-1

THE UPPER CHAMBER OF CONGRESS

Name the state represented by these United States Senators.

1. 2008 Republican Presidential candidate John McCain.

ANSWER: **Arizona**

2. 2004 Democratic Presidential candidate John Kerry.

ANSWER: **Massachusetts**

3. "Master of the Senate" and later President Lyndon Johnson.

ANSWER: **Texas**

4. Long-serving Robert Byrd.

ANSWER: **West Virginia**

5. The current President pro tempore, Daniel (ih-NO-ay) Inouye.

ANSWER: **Hawai'i**

6. Lengthy filibuster-giver Strom Thurmond.

ANSWER: **South Carolina**

7. The man appointed by a disgraced governor, Roland Burris.

ANSWER: **Illinois**

8. Republican Senator turned independent governor Lincoln Chafee.

ANSWER: **Rhode Island**

174-12-65-1010-1

RICHARD THE LIONHEARTED

Name the...

1. Crusade that Richard went on with Philip II.

ANSWER: **Third** Crusade

2. Legendary outlaw who was supposedly active during Richard's absence from England.

ANSWER: **Robin Hood**

3. Founder of the Ayyubid dynasty that Richard fought against in the Holy Land.

ANSWER: **Saladin** [or **Salah al-Din** Yusuf ibn Ayyub; or al-Malik al-Nasir **Salah al-Din** Yusuf I]

4. Position held by Richard's ally Fredrick Barbarossa and, later, Charles V.

ANSWER: **Holy Roman Emperor**

5. Language spoken by Richard and his court.

ANSWER: **French**

6. Island that Richard took from Isaac Komnenos that is now divided by the Green Line.

ANSWER: **Cyprus** [or **Kipros**; or **Kibris**]

7. Religious group that was banned from Richard's coronation.

ANSWER: **Jewish** people [or **Jews**]

8. Christian loss that led to Reynald Chatillon's death and Richard's invasion of the Holy Land.

ANSWER: Battle of **Hattin** [or Horns of **Hattin**]

149-12-65-1010-1



1. One of these events elected Martin V to a position that had been fought over for forty years. That instance this type of event also examined the works of John Wycliffe and Jan Hus, ultimately (+) killing the latter. When this type of event was held in Ephesus and Chalcedon, participants agreed that decisions reached at an earlier one of these events in (*) Nicaea could not be changed. For 10 points, name these gatherings of Church officials often held in the Lateran Palace.

ANSWER: ecumenical councils

121-12-65-10101

2. According to Susanna Dickinson's account of this battle, the commander of one side drew a line in the sand and allowed any men that crossed it to leave. That commander was (+) William Travis. This battle is not Goliad, but this battle served as inspiration for one side's victory at San Jacinto. (*) Davy Crockett and Jim Bowie were among the 189 defenders killed here. For 10 points, name this Santa Anna-led siege of a fort near San Antonio in 1836 in which the entire Texan force perished.

ANSWER: Battle of the Alamo [or Siege of the Alamo]

131-12-65-10102

3. The tallest structures in this nation are found at its largest power plant at Moneypoint. The Luas is a light rail system found in this nation's largest city. Igneous intrusions in this country include the (+) Little Sugar Loaf and Great Sugar Loaf, and Lugnaquilla Mountain is the highest peak in this nation's Wicklow Mountains. Clare, Kildare, and (*) Galway are among the counties in this nation, whose cities include Limerick and Cork. For 10 points, name this island nation with capital at Dublin.

ANSWER: Ireland [or Eire, do not accept or prompt on "Northern Ireland"]

030-12-65-10103

4. This empire's predecessor converted to Christianity under King Ezana. After years under the Zagwe dynasty, Yekuno Amlak took power and claimed descent from the ruling family of the (+) Axum kingdom. The Ark of the Covenant was supposedly brought to this empire by Menelik I, the son of the Queen of (*) Sheba and King Solomon. For 10 points, name this East African empire that was ruled in the twentieth century from Addis Ababa by Haile Selassie.

ANSWER: Ethiopian Empire [or Abyssinia]

121-12-65-10104

5. This event led to the first use of the SCATANA plan, and a famous photo of this event was taken by Richard Drew. Marsh and McLennan Companies and Cantor Fitzgerald lost several hundred employees during this event, and (+) Hani Hanjour was critical in one portion of it. 2,996 people died as a result of this event, during which a photograph titled (*) *The Falling Man* was taken. For 10 points, name this set of attacks perpetrated by al-Qaeda in which the Pentagon and World Trade Center were attacked.

ANSWER: September 11th attacks [or 9/11 attacks; or attack on the World Trade Center before mentioned; or attack on the Pentagon before mentioned; accept reasonable equivalents for "attack"]

189-12-65-10105

6. **This leader initiated the Huemul Project in an attempt to develop nuclear fusion capabilities. This founder of the IAPI joined a coup against Arturo Rawson with the (+) United Officers Group. A 1955 coup forced this man into exile, although he returned eighteen years later and won an election. This man's social work gained him a fervent following of people called (*) *descamisados*, or "shirtless ones."** For 10 points, name this husband of Eva who was elected three times to serve as president of Argentina.
ANSWER: Juan Domingo **Peron**

192-12-65-10106

7. **The creation of this substance is the subject of Book Two of Virgil's *Georgics*. Domitian ordered that half of the land used to create this substance be repurposed. It was spiced to make (+) *calda*, mixed with honey in *mulsum*, or often just diluted with water. Pliny the Elder, who described the Argitis and Arcelaca types of this item, also originated a maxim claiming that (*) truth is in this substance.** For 10 points, identify this ubiquitous Roman beverage created from "uvae," or grapes.
ANSWER: Roman **wine** [or **vino**; or **vinum**]

019-12-65-10107

8. **René Magritte's *The Human Condition* depicts one of these objects in front of a window. Pictures of van Gogh, Durer, and Rembrandt are attached to one of these placed near a mirror in (+) Norman Rockwell's self-portrait. In a work by Vermeer, a man in black sits in front of one of these while observing a woman in blue holding a book. That work is (*) *The Allegory of Painting*.** For 10 points, name these objects which hold canvases.
ANSWER: **easels** [or **canvases** or **paintings** until "canvases"]

121-12-65-10108



In the early nineteenth century, this country's (SOE-toe) Sotho speakers experienced a period of forced migration called the (m-FEH-kah-neh) Mfecane. Over 90 percent of this country's land was set aside for (+) whites by the Bantu Land Act of 1913. Shortly after the discovery of diamonds near this country's city of Kimberly, the De Beers Company was started. The Great Trek was undertaken in this country by native (*) Dutch settlers. For 10 points, what African country experienced two Boer Wars?

ANSWER: Republic of South Africa

149-12-65-1010-1

Rudolf Slansky was sentenced with thirteen others in a show trial in this no longer extant country. The Action Program was an attempt by this country's leader to create (+) "socialism with a human face." Gustav Husak replaced one leader here after that leader opened elections to non-communist political parties, which led to a (*) 1968 Soviet invasion. For 10 points, name this country that split in two in the "Velvet Divorce" and saw a period of liberalization during the Prague Spring.

ANSWER: Czechoslovakia [or Czechoslovak Socialist Republic; or Ceskoslovenska Socialisticka Republika; do not accept "Czech Republic" or "Slovakia"]

121-12-65-1010-1