

HEINRICH BOLL III
TOSSUPS – Florida Atlantic University

1. He published his first book of poems, Luna silvestre, in 1933 at the age of 19. Other books of poems include Aguila o sol?, Piedra de sol, and a work dedicated to the planet Venus entitled Salamandra. It was his biographical study of Sor Juana Ines De La Cruz that revived her world fame. In 1968, after holding the post for 25 years, he resigned as ambassador to India to protest his government's suppression of a demonstration by students and workers. FTP, identify this poet from Mexico and recipient of the 1990 Nobel Prize in Literature.

A: Octavio Paz

2. The cramped movements of a deformed gnome, the song of a troubadour in front of an Italian castle, a rumbling Polish ox-drawn cart coming nearer and going away, the "Ballet of the Chickens in their Shells," the wild ride through the air by the Russian witch Baba Yaga, and the tremendous procession passing through the Great Gate of Kiev: all are movements of this piece. When the Russian painter Viktor A. Gartmann died in 1874, an art show displaying over 400 of his paintings commemorated his passing and inspired this musical piece. FTP, name this Romantic orchestral piece composed by Modest Mussorgsky.

A: Pictures at an Exhibition or Bilder einer Ausstellung

3. His mausoleum serves as the setting for the final act of Puccini's Tosca. He christened an Egyptian city Antinoöpolis after the drowned youth he had loved. Tertullian wrote this emperor was "the explorer of everything interesting," and his villa at Tivoli rivaled the splendor of Nero's Golden House. He created the Jewish Diaspora by crushing a Judaeon rebellion in 134 C.E., and was responsible for building the Pantheon. FTP, name this Roman emperor who succeeded Trajan, and whose wall ran from Walsend-on-Tyne to Bowness-on-Solway in northern England.

A: Hadrian

4. Its only non-protein member is a lipid called ubiquinone -- abbreviated Q -- which is the third component of the series. The first component of this set of reactions is a protein with a prosthetic group called flavin mononucleotide -- abbreviated FMN -- which accepts electrons ferried by NADH. Most of its components are called cytochromes, proteins with prosthetic heme groups. FTP, name this reaction mechanism that takes place in the cristae of mitochondria and transfers high-energy electrons to oxygen following glycolysis and the Krebs cycle.

A: electron-transport chain

5. The young dilettante, Anthony Patch, recklessly marries spoiled Gloria, and waits eagerly for the death of his grandfather, so that he might gain his inheritance. The couple squanders what little money they have, earning the disfavor of Anthony's grandfather. After bearing several years of their drunkenness, wild parties, and cavorting about New York in the Roaring Twenties, Anthony's grandfather leaves his fortune to the butler, bestowing nothing upon Anthony and Gloria. The

couple engages in another bout of moral decay and finally sues to regain the fortune. Anthony and Gloria win the suit, but this causes Anthony to go mad, leaving Gloria with everything. FTP, identify this 1922 novel, the second book published by F. Scott Fitzgerald.

A: The Beautiful and Damned

6. Its first important critic was the monk Gaunilo, who entitled his reply In Behalf of the Fool. It begins with the premise that God is a "being than which nothing greater can be conceived." The crux of the discourse rests on the difference between something existing in the mind only, and something existing in reality as well. If the most perfect conceivable being existed only in the mind, we should then have the contradiction that it is possible to conceive of a yet more perfect being, namely the same being existing in reality as well as in the mind. Therefore, the most perfect conceivable being must exist in reality as well as in the mind. FTP, name this argument first purported in the Proslogion, the most famous work by St. Anselm.

A: ontological argument

7. He figures in Winston Churchill's The Crisis, as well as Mary Johnston's Cease Firing. Born in Ohio, he served in the Mexican War and then became superintendent of a military academy in Alexandria, Louisiana. He became a major general in 1862, succeeding another famous general as Western commander. In a speech he made in Columbus, Ohio, on August 11, 1880, he said, "There is many a boy here today who looks on war as all glory, but, boys, it is all hell." FTP, name this outstanding Civil War general of the North, who, on November 15, 1864, started his famous "march to the sea."

A: William Tecumseh Sherman

8. Consider the equation y equals one over x on the interval from one to infinity. Revolve the graph about the x -axis. When you integrate to find the surface area of this figure, it turns out to be infinite, as expected. However, when you integrate to find the volume of the resulting figure, the value turns out to be finite, equaling pi. For ten points, name this mathematical paradox that shares its name with a certain Biblical archangel.

A: Gabriel's Horn Paradox

9. The name of these two cities is the same. One lies in the foothills of the San Gabriel Mountains, 18 miles northeast of Los Angeles; the other lies on the Saint Paul River, 50 miles southeast of Robertsport. One's major industries include electronics and aircraft parts, while the other's are iron ore and rubber. One was founded in 1886, the other in 1822 by the American Colonization Society. FTP, give the name these two cities share, one a city of southern California, the other the capital of Liberia.

A: Monrovia

10. His first collection of short stories appeared in 1938, which he titled Whispers of Madness. Other works of his include Radubis and The Struggle for Thebes, in which he contrasts the political and social

views of the Arab world and the West. He has been called the "Balzac of Egypt," an appropriate title since his books have been banned and censored in many Arab countries. FTP, name this Egyptian author, one of the most prominent African writers today, author of God's World and The Cairo Trilogy.

A: Naguib Mahfouz

11. He was a professor of social economy and statistics and director of the Institute for Social Economy at Oslo from 1931 to 1965. He was a pioneer in the new science of econometrics in the 1930s, and he founded the Econometrics Society at Yale University, editing their journal, Econometrica, until 1955. FTP, name this Norwegian economist who, along with Jan Tinbergen, received the first Nobel Memorial Prize in Economic Science in 1969.

A: Ragnar Frisch

12. Few men in history could claim to have a war named after them, but this man could, although the war itself lasted barely a month. He fought against the U.S. during the War of 1812, and throughout his life, he disputed the land cession treaties the Sac Indians were forced to sign in 1804, 1815, and 1816. Eventually, in April 1832, he moved his starving tribe back into lands occupied by white settlers, and war followed when the whites shot a peaceful emissary sent by him. He was defeated near the Wisconsin River on July 21 and at Bad Axe River on August 2, and the war is perhaps best remembered for providing Abraham Lincoln's only military experience. FTP, name this Sac Indian chief who died near Des Moines in 1833.

A: Black Hawk or Ma-ka-tae-mish-kia-kiak

13. Dedicated to the Roman Emperor Augustus, this treatise covers town planning; building materials; the principles of temple building; constructing gymnasia and other public buildings; the building of aqueducts and wells; the use of machines for hoisting and moving; and the construction of military machines and defenses. Since none of the original illustrations survive, readers have had to rely on the books' brilliant verbal instructions and word pictures. FTP, name this definitive work on architecture, the West's primer for over a millennium and a half, written by Vitruvius.

A: De Architectura or Ten Books on Architecture

14. The science historian L.A. Tchugayev characterized him as "a chemist of genius, a first-class physicist, a fruitful researcher in the fields of hydrodynamics, meteorology, geology, certain branches of chemical technology (explosives, petroleum, and fuels, for example), a thorough expert in chemical industry and industry in general, and an original thinker in the field of economy." From 1892 until his death in 1907, he was head of the Russian Central Board of Weights and Measures and a professor of chemistry at St. Petersburg University. FTP, name this scientist best known for his postulation of the first Periodic Table of Elements.

A: Dmitri Mendeleev

15. Concerning this book, Henry David Thoreau said, "In the morning I

bathe my intellect in the stupendous cosmogonical philosophy of the _____, in comparison with which our modern world and its literature seem puny and trivial." Also concerning this book, Ralph Waldo Emerson said, "I owed a magnificent day to the _____. It was the first of books; it was as if an empire spoke to us, nothing small or unworthy, but large, serene, consistent, the voice of an old intelligence which in another age and climate had pondered and thus disposed of the same questions which exercise us." Identify this book, the title of which translates as "The Song of the Lord," and, FTP, is the holy book of the Hindu religion.

A: Bhagavad-Gita

16. The attack was originally called "Watch on the Rhine," and later renamed "Autumn Mist." It was made by Army Group B under Field Marshal Walter Model. Eight armored and 13 infantry divisions assembled in secret against five divisions of the U.S. 1st Army. At 7:30 a.m., the attack began. After a two-hour artillery bombardment, five infantry divisions of the 6th Panzerarmee attacked the two southern divisions of U.S. V Corps in front of Elsenborn Ridge. Behind them were four Waffen-SS armored divisions that were to reach Antwerp in four days. FTP, name this Nazi offensive in the Ardennes that was the last great gamble of the Third Reich, and lasted from December 6-26, 1944.

A: Battle of the Bulge

17. He grew up in the English city of Coventry, the son of a mathematics teacher and a housewife. He earned his Ph.D. from Darwin College at Cambridge University, specializing in the topic of deep-freeze preservation of boar semen. He received a fellowship to research on frozen embryos at the ARC Unit of Reproductive Physiology and Biochemistry at Cambridge. In 1973, he was appointed Research Leader at the Animal Breeding Research Organization, which is located just outside of Edinburgh, Scotland. FTP, name this Scottish geneticist whose fame in 1997 was superseded by his cloned sheep named "Dolly."

A: Ian Wilmut

18. His novel, The Breast, is a "Kafka-esque" work about a man who turns into a giant milk gland. Some of this author's other works include The Counterlife, The Ghost Writer, and The Professor of Desire. His debut novel, Goodbye Columbus, won him the National Book Award in 1960, and Operation Shylock won him the PEN/Faulkner Award in 1993. FTP, name this modern American author, winner of the 1998 Pulitzer Prize in Fiction for his novel American Pastoral, but better known for Portnoy's Complaint.

A: Philip Roth

19. It's rarely a factor in the middlegame, although it's cost many a player a loss in the endgame. It's what happens when any move you make either loses or worsens your position. FTP, name this eight-letter chess term from German meaning "compulsion to move."

A: zugzwang

20. In a 1923 experiment, a beam of x-rays was directed toward a block of graphite. It was found that the scattered x-rays had a slightly longer wavelength than the x-rays of incidence, hence the energy of the scattered rays was lower. The amount of energy reduction depended on the angle at which the x-rays were scattered. FTP, name this physical phenomenon named after the scientist who conducted the experiment and won the Nobel Prize in Physics in 1927.

A: _Compton effect_ or _Compton shift_

21. The Greeks adapted him as their god of medicine, renaming him Asklepios. He was the patron of writing, and scribes poured a libation to him just before starting their work. Ailing devotees prayed at temples built to him in Memphis and the island of Philae in the Nile, hoping for cures to be revealed in their dreams. He was celebrated as chief minister, astrologer, and magician to the greatest Third Dynasty pharaoh. FTP, name this founding father of Egyptian culture, who was also the architect of the Step Pyramid of Zoser.

A: _Imhotep_

22. "The sea is calm tonight. / The tide is full, the moon lies fair / Upon the straits - on the French coast the light / Gleams and is gone..." So begins this famous poem written around 1851, the same year the poet was married. The poem traces the moral decay within the masses, using pebbles washed up and down the beach as a metaphor. Like most of the works from the poet at this stage in his life, the poem offers no solution to the abounding misery and merely states how things are. FTP, name this representative, late-Victorian poem, perhaps the most famous by Matthew Arnold.

A: _Dover Beach_

23. Aretaeus of Cappadocia first recorded its symptoms about 2000 years ago. However, it was not clinically delineated until 1885 when a young French neurologist assembled historical accounts with his own patient observations. Symptoms such as echolalia, echopraxia, and especially coprolalia cause the observer to think the patient possessed. FTP, name this syndrome also characterized by involuntary twitching, in addition to the excessive cursing and uttering of obscenities.

A: _Tourette's_ syndrome

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BONI – Florida Atlantic University

1. Given two events in computer history, tell which one happened first for five points each. You will earn an additional five points if you can give the year in which the earlier event occurred.

Event 1: Thomas Kurtz and James Kemeny invent the language BASIC at Dartmouth College.

Event 2: A team of computer manufacturers and the Pentagon develop the language COBOL.

A: COBOL developed, or Event 2, in 1960

Event 1: William Shockley, Walter Brattain, and John Bardeen successfully test the point-contact transistor.

Event 2: Grace Hopper records the first actual computer "bug."

A: Hopper records computer "bug", or Event 2, in 1945

Event 1: The first automatic teller machine is installed at Southern National Bank in Valdosta, GA.

Event 2: Nolan Bushnell introduces "Pong" and his new video game company, Atari.

A: First automatic teller machine, or Event 1, installed in 1970

2. FTP each, identify the three judges of the dead in Greek mythology who decided the fates of the souls brought before them.

A: Minos, Aeacus, Rhadamanthus

3. Answer the following about Herman Melville's Moby-Dick.

5 pts.: What ship does Captain Ahab command?

A: Pequod

10 pts.: Mr. Starbuck is Ahab's First Mate. For five points each, who are Ahab's Second and Third Mates, in any order?

A: Mr. Flask, Mr. Stubb

15 pts.: For five points each, name Ahab's three "foreign" harpooners.

A: Queequeg; Daggoo; Tashtego

4. Given a description, identify the Verdi opera FTP each.

This work was composed in only twenty-eight days, and recounts a civil war and rebellion against the king of Aragon. The impossibly complicated plot of witch burning, poisonings, gypsies, and mistaken identities leaves modern audiences as puzzled as the Roman censors must have been. Though ridiculed as "the fool's gold of song," everyone still laughs at the opera's "Anvil Chorus."

A: Il Trovatore

In this opera, Alfredo, a man of a good family, falls in love with Violetta, a lady of ill repute, and shocks his family by taking her to live with him in the country. Knowing that she is dying of consumption, she sacrifices herself and gives up Alfredo in response to the pleas of his father who is unhappy because the scandal is endangering the marriage of Alfredo's sister. When Alfredo learns Violetta is dying, he recants his anger towards her and they reconcile just before she dies.

A: _La Traviata_

5. Identify the artist from clues, 30-20-10-5.

30 pts.: In one of his earliest self-portraits, he had written three times on his brow "Yo el rey," or "I the king."

20 pts.: Gertrude Stein said he was a man "who always has need of emptying himself, of completely emptying himself."

10 pts.: In late 1906 and early 1907, He made a sudden turn from the nostalgic blues and pinks and sentimental charms of acrobats and harlequins to a shocking new art form of which he is considered one of its pioneers.

5 pts: Along with Georges Braque, he is considered one of the major proponents of Cubism.

A: Pablo _Picasso_

6. Write down the following cell organelles (Note to moderator: Read slowly, repeat list if necessary.): lysosome, Golgi apparatus, peroxisome, vacuole, chloroplast, and the endoplasmic reticulum. Match these organelles with the following definitions for five points each.

Containing membranous sacs called cisternae, it comprises about one-half of the endomembrane system.

A: _endoplasmic reticulum_

Transport vesicles enter the "cis" side and exit the "trans" side of this organelle, which appears a stack of flattened sacs.

A: _golgi apparatus_

Pompe's disease, an accumulation of too much glycogen in the liver, can result from a malfunction of this organelle.

A: _lysosome_

A membrane known as the tonoplast surrounds this organelle.

A: _vacuole_

This organelle contains an enzyme that converts hydrogen peroxide to water.

A: _peroxisome_

The outer membrane of this organelle surrounds a sac filled with the fluid stroma and contains flattened sacs known as grana.

A: _chloroplast_

7. Given the title of a literary work concerning Arthurian legend, name the author for the stated number of points.

5 pts: _The Idylls of the King_

A: Alfred, Lord _Tennyson_

10 pts.: _The Once and Future King_

A: T.H. _White_

15 pts.: The Acts of King Arthur and his Noble Knights
A: John Steinbeck

8. Answer the following questions about 16th century Europe for the stated number of points.

During the 1550s, Calvinism became a widespread religion among the French peasantry, and its leaders formed a virtually independent state within France. To meet this threat, a certain noble house took political control of the Catholics, while another noble house dominated the Calvinists. Five points for 1 house, 15 points for both.

A: Guises controlled the Catholics; Bourbons controlled the Calvinists

Spain ruled the Low Countries for most of the 16th century, but in 1572, an organized revolt began under the flag of William of Orange. In 1579, William organized seven states into the United Provinces and declared independence from Spain. The independence movement continued despite the assassination of William of Orange in 1584. For fifteen points, name William's son and successor, a brilliant military strategist that forced the Spanish into a truce in 1609 and gained formal independence for the Netherlands in the Peace of Westphalia of 1648.

A: Maurice of Nassau

9. Identify the following asteroids for the stated number of points.

10 pts.: It was discovered by Wilhelm Olbers in 1802 and the second asteroid to be discovered. Just over 500 km in diameter, this second-largest asteroid lies in the belt between Mars and Jupiter.

A: Pallas

5 pts.: Giuseppe Piazzi discovered this first and largest of the asteroids in 1801. At about 1000 km in diameter, it lies about 2.5 astronomical units from the Sun.

A: Ceres

15 pts.: The spacecraft Galileo passed this asteroid in 1993 about 11,000 km away. This is one of the two best-viewed asteroids. Its elongated, cratered surface causes it to resemble Mars' moon Phobos. However, its most interesting feature is its own tiny satellite, Dactyl.

A: Ida

10. Identify these "red" letter items of literature from a description for the stated number of points.

5 pts.: Written by John Steinbeck, this novel was published in 1937 and chronicles the maturation of a young boy. It is composed of four stories, The Great Mountains, The Promise, The Leader of the People, and The Gift.

A: The Red Pony

10 pts.: This 1849 Herman Melville novel relates the story of the title character's travels from New York City and his rough initiation into life as a sailor.

A: Redburn: His First Voyage

15 pts.: This fictional character is the protagonist in Book I of

Spenser's The Faerie Queen. He represents the virtue of holiness, as well as St. George and the Anglican Church. He is the chivalric champion as well as the eventual husband of Una, who symbolizes truth and true religion.

A: Red Cross Knight

11. Identify the year in which these events took place in America, 10-5.

10 pts.: Yellowstone Park is officially established

5 pts.: Ulysses S. Grant is re-elected as president.

A: 1872

10 pts.: Benjamin Franklin publishes the first edition of Poor Richard's Almanac on December 19.

5 pts.: James Oglethorpe receives the charter for the Georgia colony

A: 1732

10 pts.: Franklin Roosevelt gives his "Four Freedoms" speech to Congress on January 6.

5 pts.: The Lend-Lease Act is signed on March 11.

A: 1941

12. 30-20-10 Name the chemist:

30: His color theory proposed that color is due to the presence of odd electrons which can absorb those light rays which vibrate with the same frequency.

20: This American chemist lived from 1875-1946 and was one of the greatest contributors to chemical bonding theory.

10. Another theory of his defines an acid as a species which can accept an electron pair from another atom and a base as a species which can donate an electron pair to complete the valence shell of another atom.

A: Gilbert Newton Lewis

13. Given the second-largest city in a former Soviet republic, name the country in which it is located, FTP each. If you need the capital of the country as an extra clue, you'll get 5 points.

10 pts.: Batumi

5 pts.: Tbilisi

A: Georgia

10 pts.: Gyandhza

5 pts.: Baku

A: Azerbaijan

10 pts.: Kaunas

5 pts.: Vilnius

A: Lithuania

14. Conjoin the following clues FTP each.

Name the 1929 autobiographical novel by Thomas Wolfe and the 1990 single by U2 and The Memphis Horns from the album "Rattle and Hum."

A: Look Homeward, Angel of Harlem

Name the November, 1861 poem by James Russell Lowell about the Civil War, considered one of his most important, and the piece of linen said to have been wrapped around Christ's body after the crucifixion, and

almost consumed by a fire on April 11, 1997.

A: The Washers of the Shroud of Turin

Name Norman Mailer's WWII novel based on the invasion of Luzon and the 1996 Tim Robbins film starring Susan Sarandon and Sean Penn.

A: The Naked and the Dead Man Walking

15. Name the author, 30-20-10.

30 pts.: His name translates as "My Spirit come fight for me," and his first novel was an attempt to counteract the misinterpretations of Joyce Cary's Mr. Johnson.

20 pts.: He is often heralded as the "father of the African novel in English." The sequel to his first novel, No Longer at Ease, contrasts European and traditional Nigerian beliefs.

10 pts.: His first novel, Things Fall Apart, gained popular acclaim throughout the world as an accurate portrayal of Igbo society in Nigeria.

A: Chinua Achebe

16. Identify this American, 30-20-10.

30 pts.: Between stints as a diplomat, he wrote Castilian Days about his experiences in Spain and Pike County Ballads, a collection of poems in Illinois frontier dialect, both published in 1871.

20 pts.: In the 1890s he collaborated with John Nicolay on two monumental works about Abraham Lincoln, twenty-five years after he had been Nicolay's assistant when Nicolay was private secretary to Lincoln.

10 pts.: As secretary of state under McKinley and Roosevelt, he initiated the Open Door Policy with China and negotiated the treaty with Pauncefote, which opened the way for the construction of the Panama Canal.

A: John Hay

17. Identify the three scientists who postulated the three Laws of Thermodynamics FTP each.

A: Hermann von Helmholtz; Ludwig Boltzmann; Hermann Nernst

18. Given the bassist of a grunge band, name the band FTP each. If you need the band's lead singer, you'll get five points.

10 pts.: D'arcy

5 pts.: Billy Corgan

A: The Smashing Pumpkins

10 pts.: Jeff Ament

5 pts.: Eddie Vedder

A: Pearl Jam

10 pts.: Ben Shepherd

5 pts.: Chris Cornell

A: _Soundgarden_

19. For five points each, and in any order, name any six of the Seven Hills of Rome.

A: _Aventine_, _Caelium_, _Capitoline_, _Esquiline_, _Palatine_,
Quirinal, _Viminal_

20. Name the only play written by the following authors FTP each.

F. Scott Fitzgerald

A: _The Vegetable_

James Joyce

A: _Exiles_

Ernest Hemingway

A: _The Fifth Column_

21. Identify the three Egyptian pharaohs who had their pyramids erected near Giza, all from the Fourth Dynasty (ca. 2650-2500 B.C.E.), for ten points each.

A: _Khufu_ or _Cheops_; _Khaf-Re_; _Man-Kau-Re_

22. Given the name of a Renaissance painting and the year it was painted, provide the artist for 5 points each. You will receive a 5 point bonus for all correct.

The Virgin and Child in the Church, ca. 1425-1430

A: Jan _Van Eyck_

The Holy Trinity with the Virgin and St. John, ca. 1425

A: Thomas _Massaccio_

Saint Vincent Commanding King Affonso V of Portugal to Spread the Christian Faith in Africa, ca. 1471-1481

A: Nuno _Goncalves_

Saint Francis in Ecstasy, ca. 1485

A: Giovanni _Bellini_

Bacchanal, ca. 1518

A: _Titian_

23. When Henry II of France died in 1559, his wife, Catherine de Medici, essentially held the power behind the throne. However, three of Henry's ineffectual sons held the throne nominally between 1559 and 1589. For ten points each, identify the three sons of Henry II that ruled France with the power of their mother.

A: _Francis II_ (1559-1560), _Charles IX_ (1560-1574), _Henry III_ (1574-1589)