

## HEINRICH BOLL III

### TOSSUPS— South Carolina

1. The term was coined by Gerald Feinberg of Columbia University. They would accelerate if they lost energy, and a zero-energy one would be travelling at an infinite speed. The name comes from the Greek for swift, and they would emit Cherenkov radiation in a vacuum. FTP, name this theoretical particle with imaginary mass that theoretically could not travel slower than the speed of light.

Answer: TACHYON

2. She grows up in the Washburn family's backyard until her Nanny scrapes together enough money to buy a house. Nanny arranges for her to marry Logan Killicks, but she does not love him. She leaves Logan and marries Joe Starks, and they move to a new town where Joe is elected mayor. Joe dies, but within a year she has run off with a new man: Tea Cake. After surviving a hurricane and shooting Tea Cake after he contracts rabies, she returns home where she tells the whole story to Phoebe. FTP, name this protagonist of Zora Neale Hurston's Their Eyes Were Watching God.

Answer: JANIE (accept Crawford, Starks, Killicks, or Woods as her surname)

3. Born in New York City in 1920, she graduated from Hunter College in 1942 and earned a law degree from Columbia University in 1945. In 1961, she helped establish Women Strike for Peace, which works for worldwide nuclear disarmament. In 1971 she helped establish the National Women's Political Caucus, and served in the House of Representatives from 1971-1977. FTP, identify this outspoken member of the women's Liberation movement.

Answer: BELLA ABZUG

4. Canon by Intervalllic Augmentation, Contracrostipunctus, A Mu Offering, English French German Suite, Edifying Thoughts of a Tobacco Smoker, Contrafactus, Sloth Canon, Six-Part Ricercar, and Sonata for Unaccompanied Achilles are the titles of dialogues that serve as bridges between chapters in this two-part Pulitzer Prize winning work. The author describes it as "a metaphorical fugue on minds and machines in the spirit of Lewis Carroll. FTP, name this 1979 work subtitled An Eternal Golden Braid written by Douglas R. Hofstadter.

Answer: GODEL, ESCHER, BACH

5. He created a series of prints entitled Alpha and Omega in which Omega, the first woman, mates with various beasts only to see her offspring attack and kill Alpha. He created a portrait of Friedrich Nietzsche in 1906 despite the fact that Nietzsche had been dead for 6 years, and he also created an 1895 self-portrait entitled Self-portrait with Skeleton Arm. FTP, name this artist of Death of Marat, Jealousy, The Three Stages of Woman, and Spring Evening on Karl Johan Street.

Answer: Edvard MUNCH

6. The alkylation of anisole with isopropanol in supercritical carbon dioxide and the alkylation of anisole in supercritical propylene are examples of this reaction. They occur at high temperatures, and they use an aluminum chloride catalyst that polarizes a halide. FTP, name this

type of reaction named for a pair of chemists—one French and one American.

Answer: FRIEDEL CRAFTS reaction

7. Born in Avondal in 1846 and educated at Cambridge, he entered national politics in 1875 as a Member of Parliament for Meath. In 1880, he began agitating for reform in the method of land ownership in Ireland. He was imprisoned at Kilmainham in October 1881 under the Coercion Act, but he gained release just six months later. In 1888 a special commission was appointed to examine charges made against him in the London Times relating to his possible involvement in the assassination of a government official, but he was officially cleared of the charges. However, his career was cut short by a much larger scandal just 2 years later. FTP, name this Irish statesman whose affair with Kitty O'Shea brought an end to his power.

Answer: Charles Stewart PARNELL

8. It was the seat of the Albetine branch of the Wettin dynasty, and Alexander Ypsilanti lost his arm at a battle named for this city in 1813. In art, an altarpiece by Durer is named after it, and it was the initial home Die Brucke. Wagner's Rienzi, Tannhauser, and The Flying Dutchman were all first performed in its Semper Opera House. FTP, name this Saxon city on the Elbe River better known for the destruction it endured during World War II which is related by Kurt Vonnegut in Slaughterhouse 5.

Answer: DRESDEN

9. It was resurrected 377, but it eventually succumbed to the Macedonian conquest at the battle of Chaeronea in 338BC. Despite the Greek victories at Marathon, Thermopylae, and Salamis, the Greeks still felt threatened, and in 478 they took this defensive measure to aid in the development of the military. It was formally ended for the first time in 404 following withdrawals from the group and the Peloponnesian War. FTP, name this defensive alliance of Greek city-states.

Answer: DELIAN LEAGUE

10. He became a baptist minister in 1948, and helped Martin Luther King Jr. lead the bus boycott of Montgomery, Alabama. He helped to Organize the Southern Christian Leadership Conference and became its vice-president at-large in 1965. FTP, identify this civil rights leader who led the 1968 "Poor People's March" and was president of the SCLC from 1968 to 1977.

Answer: RALPH DAVID ABERNATHY

11. He is the son of the Phoenician King Agenor and the father of Semele. He is said to have introduced a 16 letter alphabet, and he gave his wife Harmonia a magic necklace created by Hephaestus. He attempted to rescue his sister Europa after she was carried off by Zeus, but when he was unable to find her he consulted the Delphic Oracle. The Oracle told him to found a city where a cow lay down, and he found his site near a dragon. FTP, name this mythological king who slew the dragon, created a race of men with the dragon's teeth, and founded the city of Thebes.

Answer: CADMUS

12. He was born in Cordoba with the name Abu'l-Walid Muhammed ibn-Ahmad ibn-Rushd, and he was appointed as the successor to his father as chief

mufti. He later became a judge in the province of Mauritania. He was accused of departing from the orthodox doctrines of Mohammed, and he was fired on those grounds. He was also condemned by the ecclesiastical tribunal in Morocco for his heretical opinions that sought to separate philosophy and religion. FTP, name this Moorish philosopher who is best known for introducing the ideas of Aristotle to the West.

Answer: \_AVERROES\_

13. This nation of eleven million fell from one of the wealthiest nations in its part of the world in the 14th century to the fourth poorest in the world in 1991, when Lieutenant Colonel Amadou Toumani Toure led a coup against the country's president. Toure ceded power the next year after free elections to Alpha Oumar Konare, a 52-year old Ph.D in history, who became the country's first democratically elected president. FTP, identify this nation which borders Senegal, Guinea, Mauritania, Algeria, Niger, Burkina Faso, and the Ivory Coast, with capital at Bamako.

Answer: \_Mali\_

14. The specific question in this case involved the supremacy of the federal Coasting Act. The general questions the court had to answer included, is the power to regulate commerce exclusive, or do the states share in it, and should the power to regulate commerce be construed broadly for the national welfare, or narrowly, to protect states rights. The case involved a New York law granting a monopoly to operate steamboats on the state's waters to Robert Fulton and Robert Livingston. FTP, identify the case in which John Marshall wrote, "Commerce ... is intercourse.", which was decided by the court in 1824.

Answer: \_Gibbons v. Ogden\_

15. This acid, when in its pure form, is preceeded by the adjective glacial because it solidifies at 62 degrees Fahrenheit. First isolated by German chemist Georg Stahl in 1700, it is used as a reagent to make synthetics, rubber, aspirin, and other pharmaceuticals. FTP, identify this acid, which has chemical formula  $\text{CH}_3\text{COOH}$  and which you might find in your kitchen, constituting about 5% of vinegar.

Answer: \_ACETIC\_ ACID

16. Characters include Melissa, a sad, lost night-club dancer, Scobie, an old English homosexual, and Narouz, a silent man who suddenly becomes a religious prophet. This literary work includes "Justine", "Balthazar", "Mountolive", and "Clea". FTP, name this Lawrence Durrell work.

Answer: The \_ALEXANDRIA QUARTET\_

17. The city of Al Hillah now stands where it was once located; in fact, Arabs used the magnificent blue-glazed bricks that were once a part of its walls to build Al Hillah. One of its most impressive buildings was a temple dedicated to Bel Marduk, its patron god. The capital of Hammurabi's empire from about 1800 to 1500 B.C., it then fell under the control of the Hitites, Kassites and Elamites. FTP, identify this splendid city, whose downfall was predicted by the handwriting on the wall that appeared to Belshazzar.

Answer: BABYLON

18. He is famous for influencing the surrealists, with his depictions of faceless mannequins juxtaposed with unrelated objects. As an army conscript, he met Carlos Carra, and together they founded the magazine Pittura Metafisica. He

painted such works as Enigma of an Autumn Night, The Uncertainty of the Poet, and Mystery and Melancholy of a Street. FTP, identify this Greek born and educated artist who founded the metaphysical school.

Answer: GIORGIO \_DE CHIRICO\_

19. Born in Kuortane in 1898, he gained international reknown by designing a pavillion for his country at the world's fair in New York in 1939. His first two major works were a tuberculosis sanitarium and a municipal library, which were completed in the late 1920's. FTP, identify this town planner, furniture designer, and architect who also created the town center for Seinajoki, Finland.

Answer: ALVAR \_AALTO\_

20. He received the Presidential Medal of Freedom in 1964, and won the 1970 Pulitzer Prize for history for his book Present at the Creation: My Years in the State Department. He served as undersecretary to Three secretaries of state - Cordell Hull, James F. Byrnes and George C. Marshall before rising to the position himself. FTP, identify This politician who negotiated the treaty that lead to the formation of NATO and implemented the Marshall Plan while serving as Harry S. Truman's secretary of state from 1949 to 1953.

Answer: DEAN \_ACHESON\_

21. He was probably the first man to take holy orders in the New World in 1512. A slaveholder himself, he experienced a sudden illumination in 1514 in which he concluded, "everything done to the Indians thus far was unjust and tyrannical." For many years he attempted unsuccessfully to persuade the Spanish settlers to return the land and wealth stolen from the native population. 1550 climaxed his career with an inconclusive public debate between himself and Dr. Juan Gines de Sepulveda about Spanish policy towards the Indians, which was arranged by Charles V. FTP, name this champion of the humanity of the Indians.

Answer: Bartolome de \_Las Casas\_

22. The first high priest of Israel, he never reached Palestine. He instead died in the wilderness and was buried on Mount Hor in Edom. When Moses returned from Mount Sinai with the Ten Commandments, he had created a golden calf which the Israelites had begun to worship in the place of God. FTP, identify this biblical figure who was the older brother of Moses.

Answer: \_AARON\_

23. Born in 1912 in London and educated at Cambridge and Princeton universities, his life was cut tragically short when he comitted suicide, possibly because he was forced to undergo treatment to cure his apparent homosexuality. While still a graduate student, he published an important paper entitled "On Computable Numbers," and during World War II served as a cryptographer for the British Foreign Office. FTP, identify this man who developed a test to determine whether a machine has the ability to think.

Answer: ALAN \_TURING\_

## HEINRICH BOLL III

### BONI — South Carolina

1. Identify the authors of these Booker Prize winning works.

- |                          |                                |
|--------------------------|--------------------------------|
| A. Paddy Clarke Ha Ha Ha | Answer: Roddy <u>Doyle</u>     |
| B. In a Free State       | Answer: V.S. <u>Naipaul</u>    |
| C. The Conservationist   | Answer: Nadine <u>Gordimer</u> |
| D. Rites of Passage      | Answer: William <u>Golding</u> |
| E. Possession            | Answer: A.S. <u>Byatt</u>      |
| F. The Old Devils        | Answer: Kingsley <u>Amis</u>   |

2. Identify these arms of the Mediterranean.

A. Connected with the Adriatic Sea by the Strait of Otranto, it separates Greece and Albania from Italy and Sicily.

Answer: Ionian Sea

B. Partially enclosed by the Italian Peninsula and the islands of Sicily, Sardinia and Corsica, it is connected to the Ionian Sea by the Strait of Messina.

Answer: Tyrrhenian Sea

C. Linked with the Tyrrhenian to the southeast, it lies between the islands of Corsica and Elba and the Riviera coast of Italy and Monaco.

Answer: Ligurian Sea

3. Answer these questions about the Hussite Wars, for the stated number of points:

10: This pope declared a crusade against the Hussites in 1420. He also ended the Papal Schism.

Answer: Martin V

20: This man claimed the Bohemian throne but the Hussites rejected his claim on the basis that he was responsible for Huss' death-- fighting ensued.

Answer: Holy Roman Emperor Sigismund

4. Since our team name is derived from the Dutch football league, answer these questions about the world's sport in the land of tulips, FTPE.

A. PSV is a Dutch team located in this city near the German border and home to some 200,000 people. It was heavily damaged during WWII.

Answer: Eindhoven

B. Before being traded to Inter Milan, this Brazilian superstar played for PSV.

Answer: Ronaldo

C. This Dutch star was recently traded to Barcelona for \$13.8 million. Recently acquitted of rape charges, he has a murder conviction on his record.

Answer: Patrick Kluivert

5. Answer these related questions from organic chemistry, FTPE.

A. What type of compound is formed from the reaction between an acid and an alcohol?

Answer: ester

B. What is the name given to the reaction between a metallic base and an ester? The result is a soap.

Answer: saponification

C.  $\text{C}_3\text{H}_5(\text{NO}_3)_3$  is an ester. What is its more common name?

Answer: nitroglycerin



6. Answer these related questions concerning Aztec mythology. 15-10-5  
15: This god, also called Yaotl, was the god of the night sky and was associated with the forces of destruction. Human sacrifice was introduced in Mexico through his cult.

Answer: Tezcatlipoca

10: Tezcatlipoca drove this god away from his capital, Tula, into exile. He is usually referred to as the Plumed Serpent.

Answer: Quetzalcoatl

5: Since Quetzalcoatl had been driven out and he had light skin and a beard, Montezuma II mistook this Spanish conquistador for the god.

Answer: Hernan Cortes

7. Name these Saul Bellow works given descriptions, FTPE.

A. The title character, a Jewish survivor of the holocaust and blind in one eye, uses his remaining eye to look out on the people of New York and view their actions. His blind eye focuses inward, using philosophy and history to analyze.

Answer: Mr. Sammler's Planet

B. The title character, also Jewish, looks inward and backward, focusing on the character's disturbed conscious and his sexual and marital experiences.

Answer: Herzog

C. The title character is dead poet whose idea that one should be true to one's own creative spirit has been an influence on Charlie Citrine, a middle-aged author of biographies and plays. However, Charlie is beset on by Rinaldo Cantabile, who is Charlie's self-appointed financial advisor.

Answer: Humboldt's Gift

8. Every now and then, an artist comes along and creates a style so dissimilar, so unique, that it's given its own name. Identify these artists on a 10-5 basis, 10 given the style they created and the year they were born, 5 if you need a work.

A. 10: Syntheticism, 1848

5: Yellow Christ

Answer: Paul Gauguin

B. 10: Neoplasticism, 1872

5: Broadway Boogie Woogie

Answer: Piet Mondrian

C. 10: Parallelism, 1853

5: Night

Answer: Ferdinand Hodler

9. Answer the following related questions concerning the 1933 Nobel Prize for physiology or medicine.

A. This man, the winner of that prize. proved mendelian genetics through his work with the fruit fly.

Answer: Thomas Hunt Morgan

B. Give the genus and species of the fruit fly, specifically a vinegar fly, that Morgan worked with.

Answer: Drosophila Melanogaster

C. He was a graduate student under Morgan and worked with Morgan during his fruit fly researches. For his work inducing mutations into fruit flies using X-Rays, he was awarded the 1946 Nobel Prize in physiology or medicine.

Answer: Herman Muller

10. Answer the following questions about rebellions in South Carolina history, ftsnop

A. For 5, this 1822 rebellion was led by a free black man who planned to burn Charleston, kill the white men, ravish the white women, rob the banks, steal ships, and escape to Santo Domingo. The rebellion was betrayed, and the 35 black plotters were hanged.

Answer: Denmark Vesey's Rebellion

B. For 10, this rebellion took place on September 9, 1739 outside Of Charleston, where a number of slaves rose up, seized weapons and killed anumber of whites before the militia suppressed the uprising.

Answer: Stono Rebellion

C. For 15, this revolt in early South Carolina history stemmed from a Dispute between the surveyor general of the colony and the proprietary government, and it took place during Sir John Yeomans's governorship in the 17<sup>th</sup> century.

Answer: Culpepper's Rebellion

11. Identify the Bach from clues.

A. He was greatly influenced by Dietrich Buxtehude under whom he studied when he took a leave of absence in 1705 from his position as church organist in Arnstadt.

Answer: Johann Sebastian Bach or J. S. Bach

B. The third son of J.S. Bach, he authored Essay on the True Art of Playing Keyboard Instruments.

Answer: Carl Philipp Emanuel Bach or C. P. E. Bach

C. The youngest son of J.S. Bach, he went to study under C.P.E. Bach. He became organist at the Milan Cathedral and, upon moving to England, became music master to the queen.

Answer: Johann Christian Bach or J. C. Bach

12. In 1923, a school of social theory came into existence at the Institute of Social Research in Germany. Answer the following questions about it, FTPE.

A. The institute was established in what city, which lent its name to the school?

Answer: Frankfurt

B. This member of the Frankfurt School wrote the book One Dimensional Man.

Answer: Herbert Marcuse

C. This other member of the Frankfurt School studied music under Alban Berg and wrote Dialectic of Enlightenment.

Answer: Theodor Adorno

13. Identify the fallacy, given a description.

A. Presenting an opponent's argument in as weak or misrepresented version as possible, so as to ease refutation.

Answer: Straw Man

B. This fallacy assumes that, since one thing precedes something else in time, then it must be the cause of it.

Answer: post hoc ergo propter hoc (accept: false cause or after this therefore because of this)

C. Ignoring the criticism of the argument by shifting attention to another topic.

Answer: Red Herring

14. Identify these Japanese authors, 10-5 basis, given the year in which they killed themselves and then a famous work.

A. 10: 1970

5: The Sailor Who Fell From Grace With the Sea

Answer: Mishima Yukio

B. 10: 1972

5: Snow Country

Answer: Kawabata Yasunari

C. 10: 1927

5: Rashomon

Answer: Akutagawa Ryunosuke

15. Founded on the largest bend in the Niger River, the Songhai empire reached its apex in the 15th and 16th centuries. Answer these questions for 15 points each:

A. A member of the Sunni dynasty, he did the most aggressive expansion of Songhai by conquering parts of Mali in 1471.

Answer: Sunni Ali

B. This man, of the Askia dynasty, followed Sunni Ali and made Timbuktu a thriving cultural and commercial center.

Answer: Askia Muhammad

16. Answer the following questions concerning conservation in physics.

A. Also called space reflection symmetry, the law of conservation holds that the laws of nature are invariant when the three spatial coordinates, x, y, and z, of all particles are reflected.

Answer: Parity

B. What two Chinese-Americans won the Nobel Prize in 1957, for proving that weak interactions do not obey Conservation of Parity, FTPE.

Answer: Chen Ning Yang; Tsung Dao Lee

17. Identify these filmmakers from clues, 10-5.

A. 10: He co-scripted most of his movies such as The Double Life of Veronique with Polish lawyer Krzysztof Kieslowski.

5: His last work was a trilogy in which each film took its title from the colors of the French flag-- Blue, White, and Red. The theme of each movie was drawn from the social principle it was meant to represent.

Answer: Krzysztof Kieslowski

B. 10: He began his filmmaking career with Jacques Cousteau with whom he filmed The Silent World which won the Palme d'Or in 1956.

5: He is most famous for Pretty Baby, Atlantic City, and widowing Candice Bergen.

Answer: Louis Malle

10: He died of a drug overdose in 1982. Like many of his works which were film adaptations of novels, his last film, Querelle, was based on a work by Jean Genet.

5: He is most famous for his film about lesbian love, The Bitter Tears of Petra von Kant.

Answer: Rainer Werner Fassbinder

18. Identify the following about the Battle of Bunker Hill for the stated number of points identify.

a. 5: the name of the hill where the fighting took place.

Answer: Breed's Hill

b. 15: The leader of the American troops.

Answer: Colonel William Prescott

c. 10: The leader of the British troops.



Answer Thomas \_Gage\_

19. 15-5 basis, identify the work of American poetry given the opening lines from one of its sections, or 5 if you need the name of that section and author.

A. 15: Time present and time past/ Are both perhaps present in time future,/ And time future contained in time past.

5: Burnt Norton; T.S. Eliot

Answer: \_Four Quartets\_

B. 15: How many dawns, chill from his rippling rest/ The seagull's wings shall dip and pivot him,/ Shedding white rings of tumult, building high/ Over the chained bay waters Liberty--

5: Proem: To Brooklyn Bridge; Hart Crane

Answer: \_The Bridge\_

20. 30-20-10-5, name the mathematician from clues.

30- He was twice rejected from entering the Ecole Polytechnique, and he was banned from applying after throwing an eraser at his second examiner.

20- He described the decomposition of a group into cosets of a subgroup as a proper decomposition if the right and left coset compositions coincide.

10- Another contribution this Frenchman made to group theory was his assessment that the smallest order simple group is order 60.

5- He was killed in a duel when he was shot in the intestines in 1832.

Answer: Evariste \_Galois\_

21. FTP each, identify these rivers of Eastern Europe.

1. It rises in the Carpathian Mountains, and its major tributaries, the Bug, Pilica, and Dunajec rivers join it as it flows generally north. It passes the cities of Cracow, Gdansk, and Warsaw on its way to the Baltic Sea.

Answer: 1. \_Vistula\_

2. Flowing for 46 miles between Lake Ladoga and the Gulf of Finland this river forms a delta at Saint Petersburg .

Answer: \_Neva\_

3. At a length of 1,400 mi, it is the third-longest river in Europe, and is located in western Russia and Ukraine. Its source is in the Valdai Hills west of Moscow. Its course takes it generally south and west past Smolensk, Kiev, Dnepropetrovsk, and Kherson, and it empties into the Black Sea.

Answer: \_Dnepr\_

22. Identify the composer from works, FTPE

1. 4 symphonies, 2 piano concertos, Variations on a theme by Handel, 1 violin concerto, German Requiem.

Answer: Johannes \_Brahms\_

2. 13 symphonic poems, 2 concertos for piano and orchestra, the Faust symphony, and the Dante Symphony.

Answer: Franz \_Liszt\_

3. The symphonies Harold in Italy and Romeo and Juliet, the opera Beatrice and Benedict, and the song cycle Les Nuits d'ete.

Answer: Hector \_Berlioz\_

23. For 5 points apiece and a 5 point bonus for all correct, identify characters from Homer's Iliad from a brief description:

A. Slain by Hector while wearing the armor of Achilles

ANSWER: Patroclus

B. Wife of Hector and mother of Astyanax

ANSWER: Andromache

C. Famed archer and half-brother to Ajax

ANSWER: Teucer

D. Mother of Achilles

ANSWER: Thetis

E. Wise king of Pylos, and oldest councilor of the Greeks

ANSWER: Nestor

24. Name the play from characters, 30-20-10.

30: Henry Straker, Hector Malone, Mendoza

20: Octavius and Violet Robinson, Roebuck Ramsden

10: Ann Whitefield, Jack Tanner, Don Juan Tenorio

Answer: Man and Superman

25. Identify the following related scientific terms for the stated number of points.

a. (5) An assembly of charged and neutral particles whose motion is governed by electromagnetic interactions, it is sometimes called the fourth state of matter.

Answer: Plasma

b. (10) When a plasma or any charged particle moves in a constant magnetic field, its orbit traces a path in what three-dimensional shape.

Answer: Helix (prompt on "spiral")

c. (15) This length is the maximum separation at which a given charge will be influenced by the electric field of another charge. It is also known as the shielding distance.

Answer: Debye length