

Vanderbilt University ABC XV  
Round 8 of 14  
(Saturday Morning Round 4)

Tossups

1. The 4th Panzer Army under Ewald von Kleist and the 6th Army under Friedrich Paulus captured the suburbs of a this city, but, because of stiff resistance, could not reach the center. When the winter of 1942 arrived, the Russian army began a counterattack, and eventually the German forces were surrounded and forced to surrender. FTP, identify this turning point of the World War II on the Russian front.

ANS: Stalingrad

2. He sang his world into being, but evil came into it in the person of Jadis. Many years later, Jadis killed him on the Stone Table, but he came back to life and helped Susan, Peter, Edmund, and Lucy Pevensy end perpetual winter by defeating the White Witch. FTP, name this lion from C. S. Lewis's *Chronicles of Narnia*.

Answer: Aslan

3. Pencil and paper ready: the curve  $f$  of  $x$  equals  $x$  cubed minus three  $x$  squared plus four  $x$  plus eighty-seven. FTP, find the slope of the curve at  $x$  equals two.

--Answer: 4

4. He preferred to be portrayed in sculptures wearing a helmet because he had such a large, egg-shaped head. From the time he was elected a general in 458 BC until his death in 429, he built the Athenian empire and constructed great temples on the Acropolis. FTP, name this Greek statesman who opened Athenian democracy to the ordinary citizen.

Answer: Pericles

5. Members of this phylum possess a thick cuticle secreted by the underlying epidermis. They have a primitive nervous system and pseudocoelom, as well as two major body openings. FTP, name this invertebrate phylum whose most commonly encountered member is *Trichinella*.

Answer: Nematoda or roundworms (accept inematodes)

6. He played in only two games in 1991, attempting five passes without a completion. The next year, he made the Pro Bowl by passing for 3227 yards and 18 touchdowns after replacing Don Majkowski. FTP, name this three-time NFL most valuable player who lost Super Bowl XXXII to John Elway.

Answer: Brett Favre

7.

This type of substance has no melting point, instead softening as the temperature increases. Types made with boron are tougher than the most common type, made by heating lime, soda, and sand. For ten points, name this noncrystalline solid often regarded as supercooled liquid, most commonly found in windows and bottles.

Ans: Glass

8. This British author wrote the five-volume autobiography Children of Violence, a tract focusing on the heroine Martha Quest. Her lesser-known novels, including Briefing for a Descent into Hell and The Fifth Child, explore the feminist themes exploited more fully in The Grass Is Singing. FTP, name the Persian-born, Rhodesian-bred author of the feminist classic The Golden Notebook.

Answer: Doris May Lessing

9. After serving as Attorney General, he was elected governor of California and held that post from 1942 to 1953. In the presidential election of 1948, he was the GOP running mate of Thomas Dewey. FTP, identify this man who later served as the 14th Chief Justice of the Supreme Court from 1953 to 1969 and who presided over the Brown v. Board of Education of Topeka case.

ANSWER: Earl Warren

10. Discovered in 1669 by a German alchemist, Hennig Brand, when he attempted to prepare gold from silver, this reactive nonmetal plays an important role in living organisms, being required for the formation of nucleic acids and energy-carrying molecules. FTP, name this element with atomic number 15, the red type of which is used as the main ingredient in match heads.

Answer: phosphorus

11. Born in 1724, he was for a time forbidden by Frederick Wilhelm II from teaching or writing on religious subjects. This philosopher from Konigsberg divided logical propositions into analytic, synthetic, empirical, and *a priori* propositions. According to the thesis of his best known work, it is possible to form synthetic *a priori* judgments. FTP, name the German who explored such topics in his 1781 Critique of Pure Reason.

Answer: Immanuel Kant

12. He was interested in music from an early age, but his father sent him to a military school. Through contacts within his regiment, he was introduced to Mily Balakirev, who became his teacher, and in 1861 he quit the army and devoted himself totally to his music. FTP, identify this Russian composer of The Marriage of Figaro, Khovanshchina, Pictures at an Exhibition, and the opera Boris Godunov.

--Answer: Modest Mussorgsky

13. Born to a peasant family in 1937, he joined the Ba'ath Socialist party in 1957 and fled his home country after the failed assassination attempt of the head of state. He came to power in 1979, and became infamous in the late 1980s during his country's war with Iran. His country's invasion of Kuwait in 1990 led to the Gulf War. For ten points, name this leader who has been in the news again due to his refusal of UN weapons inspection teams.

Answer: Saddam Hussein

14. The name is the same: a genus of bulbous herbs of the amaryllis family containing such flowers as the polyanthus, jonquil, and yellow daffodil, and the mythological character for whom this type of flower is named, who himself stopped next to a pool and turned into a flower. FTP, give the name of this youth, beloved by Echo, who fell in love with his own reflection.

Answer: Narcissus

15. In 1453 it was repainted when the Turks took over Constantinople, and it currently serves as a museum. Built in the 6th century under the rule of Justinian, it looks over the Sea of Marmara and the Straits of Bosphorus. For ten points, name this landmark, also known as the Church of Holy Wisdom, which was the largest church in the world.

Answer: Hagia Sophia

16. Born in 1871 in Indiana, he moved to Chicago when he was 15 and later became a journalist. He was supported by his friend H.L. Mencken, and works such as A Traveller at Forty and Jennie Gerhardt followed the suppression of his first novel in 1900 due to some frank sexual content. For ten points, name this novelist whose works include The Titan, An American Tragedy, and the controversial Sister Carrie.

Ans: Theodore Dreiser

17. One example of this force is a satellite orbiting the earth at a constant speed but with an acceleration that is directed toward the earth. The amount that is applied to an object of mass  $m$  travelling at velocity  $v$  in a circular path of radius  $r$  is  $v^2 m$  divided by  $r$ . For ten points, name this center-seeking force, which is sometimes confused with centrifugal force and is also known as the gravitational force.

Answer: Centripetal Force (prompt on gravitational force; do not accept centrifugal force)

18. This Asian port city, called Krung Thep by its people, is located on the delta of the Chao Phraya River. Tourist sites include a large recreational area, Lumpini Park, the city's oldest temple, Wat Po, and Wat Phra Kaeo, which houses the Emerald Buddha. Founded in 1782 by Emperor Rama I, this coastal city has become known by Westerners as the "Venice of Southeast Asia". FTP, name this capital city of Thailand.

--Answer: Bangkok

19. Sigmund Freud's first published work was on this condition. There are two types of it: sensory, in which a loss of understanding of the meaning of symbols occurs, and motor, which involves loss of coordinated movements needed to verbalize symbols. FTP, what is this term introduced by Armand Trousseau to denote inability to express thought through speech as a result of certain brain disorders?

Answer: aphasia

20. This English poet and satirist descended from a long line of nobility. His first volume of poetry, Hours of Idleness, first appeared in 1807. In 1815, he married Annabella Milbanke, who left him following the birth of their daughter Ada. 1816 saw his publication of Childe Harold, followed by Manfred in 1817. For ten points, name this romantic poet whose works include "She Walks in Beauty" and "Don Juan".

Answer: George Gordon, Lord Byron

21. This river is formed at Fairmont, West Virginia, by the junction of the West Fork and Tygart rivers. It is only 128 miles long, 106 miles of which is navigable, but it still serves as a major freight artery. The river flows north out of West Virginia into Pennsylvania and into the city of Pittsburgh. FTP, name this river, which is one of the three rivers of Pittsburgh, along with the Ohio and the Allegheny.

Answer: Monongahela River

22. He was shot and captured by Benito Juarez in 1867, only three years after ascending to the throne. The younger brother of Franz Joseph I of Austria, he was installed by Napoleon III in an attempt to create a French satellite in the Western Hemisphere. FTP, identify this failed emperor of Mexico.

Answer: Maximilian

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Bonuses

1. Identify for 10 points each the following really cool words, all of which contain both a "q" and an "x".

a. This denotes an object of the highest quality, impeccably designed and flawlessly crafted.

ANSWER: exquisite

b. This denotes an undertaking that is hopelessly impractical and driven by excessive idealism.

ANSWER: quixotic

c. Originally the room in which the royal treasure was kept, it now denotes the entire British treasury.

ANSWER: Exchequer

2. FTP each, name the deepest lakes on the following continents.

A. Asia

Answer: Lake Baikal

B. North America

Answer: Great Slave Lake

C. Africa

Answer: Lake Tanganyika

3. Given some of his contributions to science, identify the African-American.

A. 5--He developed 300 derivative products from peanuts.

--Answer: George Washington Carver

B. 10--In 1761 he built the first working clock constructed entirely from American parts, and he also assisted in surveying for Washington D.C.

--Answer: Benjamin Banneker

C. 15--He developed efficient ways to process and store large quantities of blood plasma in "blood banks."

--Answer: Charles Richard Drew

4. Given a list of characters, name the Shakespeare play, on a 10-5 basis.

A. (10) Sir Toby Belch, Fabian, Sir Andrew

(5) Malvolio, Orsino, Sebastian

Answer: Twelfth Night

B. (10) Caithness, Malcolm

(5) Duncan, MacDuff

Answer: Macbeth

C. (10) Casca, Calpurnia

(5) Cassius, Brutus

Answer: Julius Caesar

5. Name these 18th century Russians, 5-10-15.

A. 5--The daughter of a minor German prince, she assumed the throne after her lover Grigory Orlov murdered Peter III.

Answer: Catherine the Great (Catherine II)

B. A favorite military adviser of Catherine, he built up the Russian navy and later had a famous battleship named for him.

Answer: Grigory Potemkin

C. This rebel, pretending to be Peter III, led a failed peasant uprising against Catherine.

Answer: Yemelyan Pugachev

6. Identify the following laws of physics for 10 points each.

A. This law states that the net electric flux through any closed surface is equal to the net charge inside the surface divided by permittivity of free space.

Answer: Gauss's Law

B. This law states that the pressure within a moving fluid decreases as its speed increases.

Answer: Bernoulli's Law (or Bernoulli's Principle)

C. This law states that the sine of a polarizing angle over the cosine of the same polarizing angle gives the tangent of that angle.

Answer: Brewster's Law

7. Answer these questions about the Hundred Years War.

A. For five points each, the war began over a dispute between which English and which French king?

Answer: Edward III of England and Philip VI of France

B. For 10, what 1346 battle saw the first proof of the effectiveness of the longbow?

Answer: Crecy

C. For another 10, At what 1415 battle did the French suffer a disastrous defeat at the hands of Henry V?

Answer: Agincourt

8. Identify the stage of cell division based on a description FTP each.

A. This stage occurs as the separated chromatids move abruptly toward opposite spindle poles.

--Answer: anaphase

B. In this stage a new nuclear envelope forms around each set of unraveling chromatids.

--Answer: telophase

C. Nuclear DNA synthesis occurs during this stage of interphase.

--Answer: S stage

9. Identify the following 20th century American novels from their main characters FTP each.

a. Holden Caulfield

Answer: The Catcher in the Rye

b. Addie Bundren and her family

Answer: As I Lay Dying

c. Philip Carey

Answer: Of Human Bondage

10. Answer the following about 19th century Egyptian history FTP each.

Appointed governor by the Ottoman sultanate, this man was a tobacco merchant who consolidated considerable power in the region. He shares his name with a famous boxer from Louisville.

Answer: Mohammed Ali

Mohammed Ali cemented his hold on the region's politics by treacherously inviting his enemies to dinner and killing them as they ate. Give the name of the ethnic group to which the guests belonged.

Answer: Mamelukes

To suppress the revolt of Albanian mercenaries, Mohammed was forced to flood this large city, whose Arabic name means "the Victorious."

Answer: Cairo

11. Name the following books from their opening lines for the stated number of points.

A. 5 points: "Call me Ishmael."

Answer: Moby Dick

B. 10 points: "In the country of Westphalia, in the castle of the most noble Baron of Thunder-ten-tronckh, lived a youth whom Nature had endowed with a most sweet disposition."

Answer: Candide

C. 15 points: "A green and yellow parrot, which hung in a cage outside the door, kept repeating over and over: 'Allez vous-en! Allez vous-en! Sapristi! That's all right!'"

Answer: The Awakening

12. Math question. For the stated number of points, solve the following problems from matrix algebra.

a. F5P, calculate the determinant of a 2 X 2 matrix with top row -9, 7 and bottom row -5, 12.

Answer: -73

b. FTP, calculate the determinant of a 3 X 3 matrix with top row 7, -3, 5; middle row 0, 1, 4; and bottom row 2, 2, 6.

Answer: -48

c. F15P, calculate the determinant of a 4 X 4 matrix with top row 4, 0, 0, 0; second row 0, 4, 0, 0; third row 0, 0, 4, 0; and bottom row 0, 0, 0, 4.

Answer: 256

13. Identify the god, 30-20-10

30 points: A soil fertility god until the 10th century, he was associated with the planet Venus.

20 points: His opposing deity in the dualistic religion was Tezcatlipoca, the god of the night sky.

10 points: This Toltec and Aztec god was also known as the Plumed Serpent.

Answer: \_Quetzalcoatl\_

14. For 10 points apiece, given a president, name his vice-president.

1. Rutherford B. Hayes

Answer: William A. \_Wheeler\_

2. Chester Arthur

Answer: \_none\_ (accept equivalents)

3. Woodrow Wilson

Answer: Thomas R. \_Marshall\_

15. On a 30-20-10 basis, identify the sports figure.

30 points: The game in which he accomplished his most famous feat never actually ended, being halted with less than a minute to play when he reached his milestone.

20 points: After coming out of the University of Kansas he won the NBA scoring title seven straight times from 1960 to 1966.

10 points: On March 2, 1962, in Hershey, Pennsylvania, this center scored 100 points in a single game for the Philadelphia Warriors.

Answer: Wilt \_Chamberlain\_

16. Answer the following questions regarding councils of the Roman Catholic Church FTP apiece.

a) Although its meaning is now distinct, this term was originally used interchangeably with council. However, its meaning is currently limited to councils consisting of a bishop and the clergy of a diocese.

Answer: \_synod\_

b) The first council with this name was held in 325 to resolve the Arian dispute.

Answer: First Council of \_Nicaea\_

c) A total of eight Councils shared this name. The first, convened by Theodosius I, reaffirmed the decisions of the Council of Nicaea. Later councils were called by such notables as Justinian and Basil I.

Answer: Council of \_Constantinople\_

17. Identify the following prominent conductors for 15 points each.

A. The longtime conductor of the Boston Pops, he composed the scores for such cinematic hits as Jaws and Star Wars.

Answer: John \_Williams\_

B. Polish by ancestry but English by birth, he led the Cincinnati and Philadelphia Symphony Orchestras. He is best known as the conductor in Disney's Fantasia.

Answer: Leopold \_Stokowski\_

18. Answer the following questions about the gods of the Roman city for ten points each.

a) There were many of this type of god, protecting districts, towns, cities, and even gates. Its name implies great intelligence.

Answer: \_genius\_

b) Probably the oldest of the Italian deities, her most important cult was at Praeneste. Introduced into the Roman pantheon as Jupiter's firstborn, she personified luck.

Answer: \_Fortuna\_

c) This god is most famous for barring Jupiter's attempt to install himself on the Capitol. His commitment to civic purity led Isaac Asimov to name the colony in his iFoundationi books after him.

Answer: \_Terminus\_

19. Identify the year from clues on a 30-20-10 point basis.

30 points: George Sand and Joseph Priestley died in this year which saw the births of composer Johann Strauss and author Nathaniel Hawthorne.

20 points: Pope Pius VII proclaimed Napoleon emperor, Francis II assumed the title of Emperor of Austria, and Spain declared war on England.

10 points: This year saw the addition of the 12<sup>th</sup> Amendment to the U.S. Constitution, Alexander Hamilton's death in a duel with Aaron Burr, and the start of the Lewis and Clark expedition

Answer: \_1804\_

20. Identify the following rich Americans FTP each.

A. This media mogul pledged last year to donate 1 billion dollars to the United Nations over the next decade.

Answer: Ted \_Turner\_

B. In addition to many other ventures, this athlete now heads his own division at Nike.

Answer: Michael \_Jordan\_

C. This Microsoft cofounder bought the Seattle Seahawks last year.

Answer: Paul \_Allen\_