

Vanderbilt University ABC XV  
Round 7 of 14  
(Saturday Morning Round 3)

Tossups

1. Historically, only seven of these are known to have been recorded before the early 17th century, with the most famous occurring in 1054 AD in Taurus. The remnants of this phenomenon are visible today as the Crab Nebula, which is composed of glowing gases and a pulsar. Another result of this phenomenon is a more dense astronomical body than a neutron star, a black hole. FTP, identify this class of erupting stars.

--Answer: \_Supernova\_ (do NOT accept or prompt on inová)

2. Born at Kolonos near Athens, he held military and political positions in addition to his career as a playwright. Famous for adding a third speaking actor compared to Aeschylus' two, only seven of his tragedies have survived. FTP, identify this ancient Greek writer known for his trilogy which featured Creon, Antigone and Oedipus.

Answer: \_Sophocles\_

3. Her first acting job was dancing with the Honey Monster in a Sugar Puffs commercial. Her home town is Reading, England, but her first movie role cast her as a New Zealand schoolgirl in the film Heavenly Creatures. Other roles include Sue in Jude and Ophelia in Kenneth Branagh's Hamlet. FTP name this actress, best known now for her Oscar-nominated performance in the smash hit Titanic.

Answer: Kate \_Winslet\_

4. This city was first settled during the 9th century AD and began to grow in the 13th century with the establishment of German communities by Wenceslas I. It features such landmarks as the Charles Bridge and the Tyn Cathedral, which was a center of the religious revolt of the Hussites. This city located on both sides of the Moldau River was invaded by Soviet troops in 1968. FTP, name this city, the capital of the Czech Republic.

Answer: \_Prague\_

5. Because of an association with the Earl of Shaftesbury, a spokesman for liberal political ideas, this man was forced to flee to Holland in 1683. After returning to England in 1689, he discussed the origin, nature, and limits of human knowledge in An Essay Concerning Human Understanding. FTP name this philosopher, also known for his work Two Treatises of Government.

Answer: John \_Locke\_

6. Fought in May 1863, this battle is said to be the basis for Stephen Crane's The Red Badge of Courage. Union forces under Gen. Joseph Hooker were defeated by Lee's Army of Virginia, but one of the most famous combatants died of pneumonia shortly after. FTP, identify this battle in Virginia where Gen. "Stonewall" Jackson was accidentally shot by his own men.

Answer: Battle of \_Chancellorsville\_

7. Math question: for a quick ten points, how many degrees are in one interior angle of a regular polygon with 24 sides?

Answer: \_165\_

8. Into the eighteenth century, the French form of this type of piece had a slow introduction and a fugal allegro, while the Italian form was in several movements akin to the modern symphony. Mendelssohn composed a Hebrides one, and Brahms composed an Academic Festival one. FTP, name these pieces often used as the introductory piece to a larger work like an opera, of which Rossini composed a famous one about William Tell.

Answer: \_overture\_s

9. When this influential figure appeared before Archbishop Desmond Tutu's Truth and Reconciliation Commission last December, Tutu said "I love you," and begged a confession. The response he received was "Sorry. Things went wrong. Forgive me." Those "things" include murders, tortures, and abductions committed by thugs working for her in Soweto. FTP, name this embattled ex-wife of the President of South Africa.

Answer: Winnie Madikizela-Mandela

10. He worked on the specific heats of gases at high temperatures and devised an optical pyrometer. He is best known for formulating a law which is a result of the law of conservation of energy. FTP, name this French chemist who in 1888 stated that if a system is in equilibrium, any change imposed on the system tends to shift the equilibrium to nullify the effect of the change.

Answer: Henri \_Le Chatelier\_

11. Historically, it describes a member of a secret sect that terrorized the Muslim world in the 11<sup>th</sup> through the 13<sup>th</sup> centuries by murdering all of its enemies. It spread throughout Persia, where its followers murdered caliphs, generals, and other statesmen. FTP, what is this word which is now used to describe people like Leon Czolgosz, Sirhan Sirhan, and Lee Harvey Oswald.

Ans: \_assassin\_

12. In contrast to the AS-AD model, which uses real GDP and price level to make long-term predictions about unemployment and inflation, this economic model focuses directly upon these areas of interest. The long-term version is vertical at the natural rate of employment while the more famous short-run version has a negative slope. FTP, name the economic graph that sets unemployment and inflation as inversely proportional.

Answer: \_Phillips\_curve

13. Much of the inspiration for his works came from his travel to the Mediterranean and to Asia. Among his nonfiction works are *Alexandria: A History and a Guide* and *Aspects of the Novel*, which he published in 1927. FTP, name this British author best known for novels such as *Where Angels Fear to Tread*, *A Room with a View*, and *A Passage to India*.

Answer: E.(dward) M.(organ) \_Forster\_

14. Various sources put their numbers at three or 27, and they often rode white horses. They refilled the drinking cups with mead as attendants of Odin in Valhalla. They were only visible to men about to die fighting and were known as the "choosers of the slain." FTP, name these beautiful golden-haired women who carried brave mortals killed in battle to live in Valhalla.

Answer: the \_Valkyries\_

15. Pencil and paper ready. Given a triangle with sides 5 and 8 and the included angle equal to 60 degrees, FTP, find the length of the third side.

Answer: \_7\_

16. A converging lens of this type is one with one slightly concave and one convex surface. In liquids, it describes the property resulting from the interaction of the surface tension of the liquid with the surface of its container. FTP, give this term for the curved surface of a liquid in a container.

Answer: \_meniscus\_

17. Its front contains 8 Corinthian columns at ground level and the inside consists of a large concrete

cylinder covered by a dome that reaches 142 feet high. It was built shortly after Hadrian became emperor, and its most notable feature is that all interior light coming from an oculus at the top of the dome. For ten points, name this building located in Rome, intended as a temple for all of the gods.

Ans: Pantheon

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18. This short story opens with the killing of an old woman and her daughter. The police are baffled that the killer has escaped although the house appears to have been sealed from the inside. The nameless narrator and his genteel detective friend, C. August Dupin, finally discover that the murderer is an escaped orangutan. FTP, what is this first detective story, an 1841 work by Edgar Allen Poe?

Answer: The Murders in the Rue Morgue

19. Ranging in size from .05 to .5 millimeters in diameter, the escape of enzymes from these organelles causes the pain and inflammation associated with rheumatoid arthritis and gout. Manufactured in the endoplasmic reticulum and processed in the Golgi bodies, they are subdivided into endosomes, phagosomes, and autophagosomes. FTP, name this cellular organelle consisting of membrane-bound sacs of digestive enzymes.

Answer: lysosomes

20. They took their name from a Turkic word meaning "adventurer" or "free man," and they were originally composed of Russians who fled from serfdom into the frontier lands of the Don, the Dnepr, and the Ural Rivers. The Russians were unable to control them, so instead they offered land and services in exchange for valuable military services. FTP, name this privileged class of Russians, noted as cavalry in the Russian imperial armies.

Answer: Cossacks

21. This Maine-born author supported herself in New York City by writing short stories under the pseudonym Nancy Boyd and by serving as an actress and playwright with the Provincetown Players. Her first book established her renown as a poet, which she came to despise. FTP, identify the writer of *Being Born a Woman and Distressed*, *The Harp Weaver*, and *Renascence*.

--Answer: Edna St. Vincent Millay

22. They won Stanley Cups in 1920, 1921, 1923, and 1927. They sat out the 1931-32 season and moved to Saint Louis for the 1934-35 season before folding later that year. They seemed to be nothing but memories until they were announced as one of the two expansion teams for the 1992-93 season. For ten points, name this hockey team which finally made the postseason for the first time in well over 60 years in 1997.

Answer: Ottawa Senators

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Bonuses

1. Identify the following mountains from clues FTP each.

a. This mountain is the highest in the contiguous 48 states.

Answer: Mount Whitney

b. This mountain is the highest peak in Antarctica

Answer: Vinson Massif

c. This was the new name given to Stalin's Peak when it was discovered it was higher than the one given to Lenin.

Answer: Mount Communism (or Communism Peak)

2. For the stated number of points, given the dates and a brief description of an important Pacific battle which took place in 1942, name the battle.

1. 10 points: May 7-8; it was the first naval battle in history in which the two fleets did not encounter each other directly.

Answer: Battle of the Coral Sea

2. 15 points: February 27; this Japanese victory over an Allied fleet gave the Eastern Invasion Fleet free reign in the waters for which the battle was named.

Answer: Battle of the Java Sea

3. 5 points: June 4; it put a halt to a potential Japanese invasion of Hawaii and tipped the balance of naval power in the Pacific.

Answer: Battle of Midway

3. Identify these 3 members of the Lake School of poets from clues FTP each.

a. His poems include The World is Too Much with Us and Ode: Intimations of Immortality

Answer: William Wordsworth

b. His works include Kubla Khan and Christabel.

Answer: Samuel Taylor Coleridge

c. Britain's poet laureate from 1813 to 1843, he wrote The Battle of Blenheim.

Answer: Robert Southey

4. Identify the following properties from physics from how they are measured in SI units for ten points or from a brief description for five points.

10) kilogram meters squared per second

5) This quantity is conserved when a spinning figure skater pulls her arms to her body.

Answer: angular momentum (do NOT prompt on imomentumî)

10) Weber

5) This quantity measures the force a magnet exerts on other charged bodies.

Answer: magnetic flux

10) ampere per meters squared

5) This quantity measures the amount of charged current within a given area.

Answer: current density (do NOT prompt on icurrentî)

5. Answer the following questions about composers in Vienna, 5-10-15.
- A. 5--This is the composer of such works as *Don Giovanni* and *Eine Kleine Nachtmusik*.  
Answer: Wolfgang Amadeus Mozart
- B. 10--The jealous rival of Mozart, he is portrayed in *Amadeus* as the gifted musician's terrorizer.  
Answer: Antonio Salieri
- C. 15--This Italian, best known for the compilation *Grandus as Parnassum*, engaged in a piano-playing contest with Mozart in 1781.  
Answer: Muzio Clementi
6. Given the following definitions from Ambrose Biercé's *Devil's Dictionary*, give the word being defined FTP each.
- A. A dead sinner revised and edited.  
Answer: saint
- B. That which discloses to the wise and disguises from the foolish their lack of understanding.  
Answer: education
- C. In international affairs, a period of cheating between two periods of fighting.  
Answer: peace
7. Identify the following about people who interacted with Native Americans FTP each.
- A. This Spanish explorer was captured by Native Americans during his 1528 expedition and kept a journal of the years he spent with them.  
Answer: Alvar Nunez Cabeza de Vaca
- B. This Spanish missionary was known as the Apostle of the Indians for protesting their oppression early in the 1500s.  
Answer: Bartolome de Las Casas
- C. This Shoshone woman helped guide and translate for the Lewis and Clark expedition.  
Answer: Sacajawea
8. Name the following acids from clues FTP each.
- A. Found in the poison of stinging ants, this simplest of all organic acids has the formula HCOOH.  
Answer: formic acid
- B. This acid with formula CH<sub>3</sub>COOH is also called ethanoic acid.  
Answer: acetic acid
- C. The crude industrial version of this acid which also aids in digestion is called muriatic acid.  
Answer: hydrochloric acid
9. Name these hunters from Greek mythology for the stated number of points.
- A. 5 points: Apollo's twin sister and a daughter of Zeus, she was a goddess of chastity and the hunt.  
Answer: Artemis
- B. 10 points: The son of Poseidon and loved by Artemis, this hunter courted Merope but grew impatient and raped her, whereupon her father blinded him.  
Answer: Orion
- C. 15 points: This man, the first love of Atalanta, led the Calydonian boar hunt and killed that beast.  
Answer: Meleager
10. For the stated number of points, can you answer these questions about the show they invented the v-chip for, South Park?
- A. (5) Name the kid who says of himself, I'm not fat, I'm big-boned!  
Answer: Eric Cartman (prompt on iEric)
- B. (10) What celebrity who helped the show get discovered provided the voice for Stan's dog, Sparky?  
Answer: George Clooney
- C. (15) Who sang iLoving Youi during the halftime show of the South Park vs. Middle Park football game?  
Answer: Richard Stamos (accept iJohn Stamos's brother)
11. Identify the anthropological term, 30-20-10.  
30 points: Freud and Frazer wrote books with the word in their titles, and Levi-Strauss argued that they are

the product of an anthropological concept with no objective reality.

20 points: From an Ojibwa word, they are natural objects linked to individuals or social groups.

10 points: Northwestern American Indians are well known for using large poles dedicated to them to trace their family history.

Answer: totem\_s

12. Identify the Latin American author based on a description FTP each.

A. This Mexican author of *The Labyrinth of Solitude* won the Nobel Prize in Literature in 1990.

--Answer: Octavio Paz

B. This expatriate niece of a Chilean president wrote the novel *The House of the Spirits*.

--Answer: Isabel Allende

C. This Argentinian author who learned English before Spanish was familiar with European literature. This influence is demonstrated in his short stories, the *Ficciones*.

--Answer: Jorge Luis Borges

13. Identify the painter from clues, 30-20-10.

30) During the 1930s, he painted black and white murals for the Works Progress Administration, and his first New York show consisted mainly of black and white abstracts.

20) Early works in his slashing, colorful mature style include Asheville and Excavation. This artist died last year.

10) This Dutch-American is best known for his series of *Woman* paintings made during the middle to late 1980s.

Answer: Willem de Kooning

14. Answer the following related questions for ten points each.

A. What is the common name for the continuous random movement of microscopic solid particles?

Answer: Brownian movement (or Brownian motion)

B. Robert Brown first observed this motion when studying what type of particles?

Answer: pollen

C. Brownian motion can also be seen in what substance in dead cells?

Answer: cytoplasm (accept protoplasm)

15. Find the following derivatives FTP each.

a)  $12e^x \cos x$

Answer:  $12e^x \cos x - 12e^x \sin x$

b)  $x^2 \tan 2x$

Answer:  $2x^2 \sec^2 2x + 2x \tan 2x$

c)  $\sin e^{2x}$

Answer:  $2e^{2x} \cos e^{2x}$

16. FTP each, identify each of the following from the reign of Louis XIV of France.

A. With Anne of Austria, he ruled for the young king until 1661.

ANSWER: Cardinal Jules Mazarin

B. Give the collective name for the rebellions which occurred from 1648 to 1653 and which were precipitated by discontent of the nobility and townspeople over the French monarchy.

ANSWER: the Fronde

C. This man served as controller general of finances for Louis XIV from 1662 to 1683.

ANSWER: Jean-Baptiste Colbert

17. Give the answers to the following questions about the Bible, ten points apiece.

A. What is the last book of the Old Testament in the King James Version?

Ans: Malachi

B. Give the book, chapter, and verse for the shortest verse in the Bible, "Jesus wept."

Ans: John 11:35

C. What book of the bible has the most chapters with 150?

Ans: Psalms

18. Given an accomplishment, name the scientist that did it for 10 points. If you can't do it on the first clue, an easier one will be given for 5 points.

A. (10) First dissolved carbon dioxide gas in water

(5) Discovered ammonia and oxygen

Ans: Joseph Priestley

B. (10) Discovered the surface tension of water

(5) Detected that electrons orbit around a nucleus

Ans: Neils Bohr

C. (10) Discovered that water was a compound and not an element

(5) Using a torsional balance, he calculated the density of the earth

Ans: Henry Cavendish

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19. Name the author from works on a 30, 20, 10 basis.

30: *Love's Comedy, The Pretenders*

20: *Ghosts, The Wild Duck*

10: *A Doll's House*

Answer: Henrik Ibsen

20. Given a year, name the second place finisher of that year's presidential election for the stated number of points.

A. For five points: 1984

Answer: Walter Mondale

B. For five points: 1964

Answer: Barry Goldwater

C. For ten points: 1908

Answer: William Jennings Bryan

D. For ten points: 1872

Answer: Horace Greeley