

Philly Experiment IV: (Insert Title Here)

Round 6

Packet by: Ed Bryant!

✓ 1. A woman in a striped dress, her hair drawn into a tight bun, sits against the background of an intricately patterned wallpaper and carpet. A pitcher rests in the lower right hand corner, and a small girl wearing only a towel sits on her lap. The girl is dipping her feet in a basin of water, an action that gives the name to, FTP, what Impressionist painting by Mary Cassatt?

The Bath

✓ 2. These primitive ungulates are the only members of order Tubulidentata, which refers to their unusual tubular molar teeth. Their English name comes from the Afrikaans word for "Earth Pig", a name which describes their appearance and burrowing habits. FTP, name these sticky-tongued mammals which primarily feed on termites.

aardvarks

✓ 3. Prokofiev wrote five, of which the third in C is the most popular. Mozart's number 21 was featured in the movie Elvira Madigan. Beethoven's 5th is the "Emperor".

Tchaikovsky's 1st, played by Van Cliburn in his 1958 Moscow triumph, is legendary. FTP, name this type of work, a currently popular example of which is Rachmaninoff's 3rd.

ans: piano concerto

✓ 4. In 1782, he served as Commander in Chief of Ireland, but devoted most of his time to writing plays. He served under Gage at Boston and Guy Carleton at Quebec. He is probably best known for his role in a 1777 British offensive from Canada into the American colonies. FTP, name this British general who surrendered at Saratoga.

Answer: John Burgoyne

✓ 5. She was usually worshipped in conjunction with her children, since she had to brave the jealous Hera to give birth to them. Hera decreed that she could not give birth in any place touched by sunlight, and also had her chased by the Python, which her infant son later slew. She found refuge on the island later called Delos to give birth to her famous twins. FTP, name this mother of Artemis and Apollo.

Leto or Latona

✓ 6. Caused by the accumulation of lipids, this disorder is generally silent until stenosis, thrombosis, or aneurysm occurs. Risk factors include hypertension, elevated cholesterol, smoking, diabetes, and obesity. This condition's complications are some of the major causes of death in the U.S. FTP, name this coronary condition resulting in lesions of thickened arteries.

atherosclerosis

7. He had been in jail since 1972 for the murder of schoolteacher Caroline Olsen but had always maintained that he was framed by the FBI. His pleas were finally heard this year by an Orange County Superior Court judge who threw out the previous conviction on the grounds that the key witness for the prosecution was an FBI informant. FTP identify this man released from prison in late June, a former Black Panther.

A: Elmer "Geronimo" PRATT

8. "The thousand injuries of Fortunato I had borne as I best could, but when he ventured insult, I vowed revenge." The first line of this subterranean tale indicates the way the whole story will unfold, for it is a first person account of a murderous mind game played by the disturbed narrator on his unfortunate victim. FTP, name the Edgar Allen Poe story told by Montresor.

\_The Cask of Amontillado\_

9. Common during baseball's early years, their numbers dropped sharply in the 1920s and have declined ever since, with none in the last ten years. The great ones of the turn of the century were Frank Chance of the Cubs and Fred Clarke of the Pirates; later examples included shortstop Lou Boudreau and second baseman Rogers Hornsby. FTP, name this baseball role, the last example of which was Pete Rose during the 1980s.

ans: \_player-manager\_ (prompt on "manager")

10. It was discovered by Peter O'Riley and Pat McLaughlin. Among the men to strike it rich were George Hearst, the father of William Randolph Hearst. It and the town surrounding it, Virginia City, are humorously described in Mark Twain's \_Roughing It\_. FTP, name this famously rich gold and silver deposit in Nevada.

Answer: \_Comstock Lode\_

11. Laura Jereski wrote a scathing expose in this paper on the MMAR Group in 1993 that claimed that the brokerage firm had overbilled its clients and spent thousands of dollars in topless bars. After the firm folded, MMAR successfully sued Jereski and this paper for a record \$222.7 million in libel damages, the largest such award in history. FTP, name this leading national financial paper published by Dow Jones.

A: WALL STREET JOURNAL

12. A cylinder contains a gas with high electric potential. When a particle enters, it ionizes a gas molecule. This ion ionizes other atoms, which ionize others in turn, and this cascade of ions conducts a momentary current that is recorded as a clicking sound. FTP, this describes what device invented in 1913 by a German physicist, used to detect and measure radiation?

ans: \_Geiger counter\_

✓ 13. He rebaptized Rome in his name, and he dubbed himself Hercules Romanus. His reign was marked by extravagance and violence, and he participated in gladiatorial combats. On January 1, AD 193 he was finally strangled by a subordinated slave. FTP, name this emperor who in 161 succeeded his father, Marcus Aurelius.

Answer: Commodus ( Lucius Aelius Aurelius)

✓ 14. In the books, she takes care of Annabel, John, and Barbara Banks in addition to their siblings Michael and Jane. With her, the children shrink to the size of insects, visit with characters from stories, and float in the air from laughing too much, though she never admits to the adventures after they are over. FTP name this P.L. Travers creation, a magical nanny portrayed in a Disney film by Julie Andrews.

\_Mary Poppins\_

✓ 15. When a star consumes the hydrogen in its core, new fusion reactions begin to burn helium. These new reactions are hotter than the previous hydrogen fusion, and the additional energy causes the star to expand. Examples include Betelgeuse now and our sun in 5 billion years. FTP, name this star type, whose cool outer layers are responsible for its characteristic color?

ans: \_red giant\_

✓ 16. She went to Madrid in 1937 to cover the Spanish Civil War, and supported the Loyalists. Her frustration with the lack of American involvement in the war led to a continued theme in her historical writing of how good is crushed or subverted. FTP, name this American historian, winner of the Pulitzer Prize for both \_Stillwell and the American Experience in China: 1911-45\_ and \_The Guns of August\_.

Answer: Barbara \_Tuchman\_

✓ 17. Her legend arose in the mid-13<sup>th</sup> century. Supposedly, she was of English or German origin, and went to Rome disguised as a man to be with her monk lover. Due to her extraordinary learning, she was ordained and was only exposed (somewhat literally) as a woman when she gave birth in the middle of a procession. FTP, name this probably fictional gender bending member of the clergy.

Pope \_Joan\_

✓ 18. His new book, \_Causes and Comrades\_, studies the battle conditions and what made men fight in the American Civil War. The Civil War is no new topic for this Princeton professor, who has also written \_The Negro's Civil War\_ and \_Ordeal by Fire: The Civil War and Reconstruction\_. FTP, name this author of the Pulitzer Prize-winning \_Battle Cry of Freedom\_.

Answer: James M. McPherson

✓ 19. During his pilgrimage, he spent so much money in Cairo that the price of gold plummeted and took a dozen years to recover. He returned with Muslim artists and scholars to spread Islam through his sub-Saharan population, and made Timbuktu the cultural and commercial center of Western Africa. FTP, name this Mali king, who is most famous for his 1324 pilgrimage to Mecca.

Answer: Mansa Musa

✓ 20. Though he was the Director of External Broadcasting for his country's Broadcasting Corporation, he is best known as an author. He deals with the threat of western civilization on tribal culture in such novels as No Longer at Ease and Arrow of God. FTP name this man best known for his debut novel about the rise and fall of an African tribesman named Okonkwo, entitled Things Fall Apart.

A: Chinua ACHEBE

21. Debuting 100 years ago in Paris, it has become one of the most repeated and revised stories of the 20th century. Although, its longest Broadway run was in 1937, many people today know the story from comedian Steve Martin's re-writing as "Roxanne" in 1987. FTP, what is this timeless tale of love and large noses from Edmond Rostand and named for a 17<sup>th</sup> century French writer.

Answer: CYRANO DE BERGERAC

## BONUSES (first 20)

1. Name these generals from Roman history from clues about their nicknames for the stated number of points.

- ✓ 5) This first century B.C. general, who earned the nickname 'Felix' for his luck, defeated Marius at the Battle of the Colline Gate.

Cornelius Sulla

- ✓ 10) This Roman general earned the nickname 'Cunctator' for his delaying tactics against Hannibal in Italy.

Quintus Fabius Maximus

- ✓ 15) This rival of Caesar was posthumously nicknamed 'Uticensis' after the place where he committed suicide.

Cato the Younger

2. 1996 was a record-breaking summer in Atlanta:

- ✓ 1) F5P, which Canadian won the 100 meters at the Atlanta Olympics with a record time of 9.84 seconds?

ans: Donovan Bailey

- X 2) Michael Johnson obliterated his own 200 meters record. F15P, name the Italian who was the last man to hold the record before Johnson, whose 1979 record was one of track's oldest.

ans: Pietro Mennea

- X 3) Johnson didn't break the 400 meters record in his gold medal-winning run. F10P, which American, the subject of recent legal battles, still holds that record?

ans: Butch Reynolds

✓ 3. Name these insufferably annoying literary characters FTP each

- ✓ 1. In *The Mill on the Floss*, he drowns with his sister Maggie in the flood which closes the book.

Tom Tulliver (accept Tom, but prompt on Tulliver)

- ✓ 2. I would prefer not to have read of this Herman Melville clerk's eventual starvation despite the efforts of his mystified employer.

Bartleby the Scrivener

- ✓ 3. This protagonist of *The Red and the Black* is mercifully beheaded at the end of the novel.

Julien Sorel (accept either name)

4. Mastercard and Visa have long been issuing co-branded cards, but American Express declined to do so until it premiered its first co-branded card last year. For fifteen points each:

- a) What airline, the only major carrier without a co-branding deal, has AmEX partnered with to issue this card?

Delta

- b) What is the brand name of this card which now has over one million holders?

Delta Skymiles

5. Name these things that may or may not have anything in common for the stated number of points.

- ☒ a)(5 points) British techno group whose biggest hit has been the single "Setting Sun"
- ☒ b)(10 points) Hot alternative producers who have worked on albums by The Beastie Boys, Beck, and Hanson.
- ☒ c)(15 points) Stars of a mid-seventies variety show. One of them was Goldie Hawn's second husband.

A: a) CHEMICAL BROTHERS      b) DUST BROTHERS      c) HUDSON BROTHERS

6. Given an indicator, indicate its color in a strong acid and in a strong base. Five points per correctly matched color.

- ☒ 1) Phenolphthalein  
ans: acid: clear, base: pink
- ☒ 2) Litmus paper  
ans: acid: red, base: blue
- ☒ 2) Universal indicator  
ans: acid: red, base: green

7. Answer these questions about events about WWI for the stated number of points.

- ☒ 5) On May 7, 1915, the Germans sank this British steamer, killing 1,198 lives, 128 of whom were American.  
Lusitania
- ☒ 10) In this short lived peace treaty between Russia and the Central Powers, Russia gave up Poland, the Baltics, and part of Belorus and recognized the independence of Finland, the Ukraine, and Georgia. It was abrogated after the defeat of Germany in 1918.  
Treaty of Brest-Litovsk
- ☒ 15) In a speech before the senate in 1917, Woodrow Wilson referred to the need for an international peace organization and insisted upon this three word phrase.  
"peace without victory"

8. Timothy McVeigh's trial has been widely covered, but can you keep track of the various characters in the case? Identify the following people for the stated number of points.

- ☒ a)(5 points) McVeigh's chief defense attorney who may not return to Oklahoma due to public outcry.  
Steven Jones
- ☒ b)(10 points) The chief prosecutor who was most easily recognized by his transportation.  
Joseph Hartzler
- ☒ c)(15 points) The US District Court judge who presided over the case.  
Richard MATSCH

9. Identify these architecturally significant modern art museums, 5-10-15:



✓ 5) Critics have criticized the recent rectangular addition to this New York landmark by Frank Lloyd Wright, claiming that the building now looks like a giant toilet.

ans: Guggenheim Museum

✓ 10) This museum occupies a building designed by I. M. Pei on the National Mall, opposite the Air and Space Museum. It houses such works as Jackson Pollock's Lavender Mist.

ans: National Gallery of Art, East Wing

✓ 15) This ring-shaped Smithsonian museum is noted for its sculpture garden.

ans: Hirschhorn Museum or Gallery

10. Identify these constructs in computer modeling F15PE:

✓ 1) Often used in artificial intelligence, these structures attempt to parallel the learning capabilities of the human brain. Varieties include feed-forward and back-propagation.

ans: neural net

✗ 2) These structures model processes analogous to a sequence of colored balls randomly picked from a sequence of urns; only the sequence of colors and not the sequence of urns is known. Often abbreviated HMM, they are commonly used in computer speech and handwriting recognition.

ans: hidden Markov model

11. Given the name of a scale, give the note which forms the dominant or fifth step of that scale FTP each.

✗ 1. D flat major

A flat

✓ 2. E major

B

✓ 3. C flat major

G flat

12. Answer these questions on dinosaur evolution:

✗ 1) Dinosaurs are classified into two main groups according to their pelvic bones. FFPE, identify these groups, whose names mean bird-hipped and lizard-hipped.

ans: ornithischia and saurischia

✗ 2) One group of saurischia consists of carnivores including Tyrannosaurus and Velociraptor. FTP, identify this group whose name means "beast-footed".

ans: theropod

✓ 3) Though most dinosaurs died at the end of the Mesozoic, recent evidence suggests that one living class of animals is a descendent of the dinosaurs. FTP, what is this class?

ans: bird or aves

13. FTP, give the author of the following hellish quotes; you'll get five if you need the year each was written.

10 pt clue: "Which way I fly is Hell; my self am Hell;/ And in the lowest deep a lower deep...opens wide/ To which the Hell I suffer seems a Heaven."

5 pt clue: 1667

John Milton

10 pt clue: "Hell is full of musical instruments; music is the brandy of the damned."

5 pt clue: 1903

George Bernard Shaw

10 pt clue: "So that's what Hell is. I'd never have believed it...What a joke! No need of a gridiron. Hell, it's other people."

5 pt clue: 1944

Jean-Paul Sartre

14. Given a description of a treaty, give its name for the stated number of points.

5) Ends Mexican-American War.

Answer: The Treaty of Guadalupe Hidalgo

10) Ends Austro-Prussian (Seven Weeks') War

Answer: Treaty of Prague

15) Ends War of the Pacific. Bolivia cedes its Pacific coast to Chile and Peru.

Answer: Treaty of Valparaiso

15. For the stated number of points, name these figures from Celtic mythology.

5) This son of Uther Pendragon is said to have stolen the hounds of Fionn (FINN) McCumhail, and to have sworn fealty to Fionn after the Fianna pursued him and the stolen mutts to Britain.

Arthur

10) Literally "woman of the hills," she is a female fairy attached to a particular family who warned of approaching death by giving an eerie wail.

Banshee

15) Cursed as a baby, she marries an old warrior to try to escape her fate. However, she falls in love with a younger man, whom her husband orders killed. Inventively suicidal, she manages to sling herself headfirst out of a carriage despite her bound hands.

Appropriately, the phrase "of the Sorrows" is still attached to her name.

Deirdre

16. Answer the following questions related to things Shelley.

1. For 15: Ironically, Percy Bysshe was interrupted in his work on this poem when he was drowned.

The Triumph of Life

2. For 5: Telling ghost stories during a sojourn to Geneva, Byron came up with the inspiration for John Poldori's "The Vampyre." Which of Mary Shelley's novels found similar inspiration in a tale she told?

Frankenstein

3. For 10: This movie is based on the tragic life of Mary, which was sufficiently riddled with death and the supernatural to warrant this title, though it might seem anachronistic for the Romantic period in which Mary and Percy both wrote.

Gothic

17. Answer these questions on the wave-particle duality of light F10PE:



✓ 1) In 1804, Thomas Young demonstrated the wave nature of light by projecting light through two slits. Young found that the projected image had alternating light and dark bands, which can be attributed to what wave phenomenon resulting from the superposition of wave crests and troughs?

ans: interference

X 2) This American physicist experimentally observed the photon in 1923 using X-rays scattered from atomic electrons. A type of scattering is named for him.

ans: Arthur Holly \_Compton\_

✓ 3) This principle of quantum mechanics states that one cannot determine which slit a photon will travel through without changing the experiment.

ans: Heisenberg \_Uncertainty Principle\_

18. Identify the philosopher from his works for 10 points apiece. If you need easier titles, you get five points.

A) 10 point clue - \_On the Genealogy of Morals\_, \_The Antichrist\_

5 point clue - \_The Birth of Tragedy\_, \_Ecce Homo\_

Answer: Friedrich \_Nietzsche\_

B) 10 point clue - \_Concluding Unscientific Postscript\_, \_Stages on Life's Way\_

5 point clue - \_Either/Or\_

Answer: Soren Aabye \_Kierkegaard\_

C) 10 point clue - \_Human Immortality\_, \_The Varieties of Religious Experience\_

5 point clue - \_Pragmatism: A New Name for Old Ways of Thinking\_, \_Principles of Psychology\_

Answer: William \_James\_

19. Name the biblical figure, 30-20-10.

30 pt clue. The daughter of Amram and Jochabed, she was probably the oldest of the three famous children in her family.

20 pt clue: When her brother married an Ethiopian woman, she criticized his leadership and was struck with leprosy, but was cured when her brother interceded for her with the Lord.

10 pt clue: Of course, her brother, Moses, owed her one for watching over him when he lay in the reeds as an infant.

\_Miriam\_

20. Answer the following questions about the Battle of Gettysburg for the 10 points apiece.

A) The Union cavalry commander who began the battle by defending the town against Confederate soldiers scavenging for shoes.

John \_Buford\_

B) The commander of the 20th Maine whose bayonet charge saved the Union position at Little Round Top on July 2.

Joshua L. \_Chamberlain\_

C) The name of the site where Pickett's men crashed into the Union lines.

The \_Angle\_