

Philly Experiment IV: (Insert Title Here)

Round 15

Packet by: Thermidorean Reaction

1. The title character, Billy Bockfuss, is the son by immaculate conception of Virginia Hector, daughter of the president of the university (which is also the universe), and WESCAC, a university computer. He rises from the company of barnyard animals to become the powerful grand-tutor of West Campus, and his life story as recorded in "The Revised New Syllabus" achieves the status of sacred text. FTP, name this 1966 novel by John Barth

ANSWER: _GILES GOAT-BOY_

2. Leslie Mann is the love interest, Thomas Hayden Church the jealous rival, and John Cleese the voice of a show-tune singing ape, in this Sam Weisman directed summer '97 flick. Brendan Fraser gets the starring role – and not a few bruises. FTP, name this film version for the under-10 set of a Jay Ward-created 1960s cartoon -- but WATCH OUT FOR THAT TREE!

ANSWER: _GEORGE OF THE JUNGLE_

3. They used multi-glyph numbers written vertically in a positional system with base 20. Heavily influenced by the Olmec, their great city of Teotihuacan collapsed around AD 600. Famous ruins include Copan, Bonampak, Chichen Itza, Palenque, and Palenque. FTP, name this mesoamerican culture which formerly encompassed parts of Honduras, El Salvador, Guatemala, and the Yucatan peninsula.

Answer: Mayas

4. If you asked a biologist whether he'd give up his life for his brother, he might reply "No, but I would for two brothers or eight cousins." He is reasoning similarly to Florida scrub jays and other species which have unconsciously realized that helping their relatives can preserve their genetic traits even better than reproduction. FTP, what two-word name do evolutionary biologists give to this phenomenon?

Answer: kin selection

5. Integrate an arbitrary function f from negative π to π times e to the minus $i n x$ for all integers n . This collection of coefficients forms a convenient representation of functions, particularly for solving initial value problems in partial differential equations. This process, ubiquitous in quantum mechanics, extracts frequency data from time data. FTP, name this mathematical transformation

Answer: Fourier transformation

6. His major contribution to economics is the concept of bounded rationality, referring to the limited ability of decision makers to compare alternatives in the face of uncertainty. His best known written work is his 1947 textbook, "Administrative Behavior." FTP, name this 1978 Nobel laureate in Economics, who shares his surname with ex-Treasury Secretary William, Senator Paul, Playwright Neil, and singer Carly.

ANSWER: Herbert A. SIMON

7. He gained fame and the approbation of the Whig Party with his heroic poem "The Campaign," celebrating the battle of Blenheim [BLEN-em]. In 1713 he produced his successful tragedy "Cato." FTP, identify this creator of the character Sir Roger de Coverley, and co-founder with Richard Steele of the celebrated periodical "The Spectator" and "The Tatler".

ANSWER: Joseph ADDISON

8. The \$10,000 is split three ways: \$3,000 for a college education, \$3,500 for a liquor business, and \$3,500 for a down payment on a house. The liquor business fails because Bobo steals Walter's money, but the house is a success for the Younger family despite being located in a white neighborhood. FTP, name this play which revolves around the dispensation of Mama's insurance money, written by Lorraine Hansberry.

ANSWER: *A Raisin in the Sun*

9. Characters in this "opera buffa" include Dorabella and her fiance Ferrando, Don Alfonso, and the maid Despina. It is set in Naples, and performed in Italian, but was written in Vienna by commission from the Emperor Joseph II. FTP, name this last collaboration between librettist da Ponte and composer Mozart, the title of which translates as "so do they all."

ANSWER: COSI FAN TUTTE (prompt for this title if an English equivalent such as "So Do They All" or "Women Are Like That" is answered)

10. Anatole France wrote a story about this figure as an exile in Gaul. Though his fate is not known for certain, historians believe that, after his rule from AD 26 - 36, he was called to Rome to face charges against cruelty to Jews. He had ruled Samaria, Idumea, and Judea. FTP, name this Roman governor most famous for releasing the murderer Barabbas from crucifixion and instead crucifying Jesus.

ANSWER: Pontius Pilate

11. Joseph Bronowski described its tactics as "pure Mongol, a discipline of shock...what seems a wild scrimmage is in fact full of maneuver..." At the whistle, two groups of mounted men contend no-holds-barred for a beheaded calf and, indirectly, for the championship cup, awarded every March in Kabul. FTP, what is this ferocious national game of Afghanistan?

ANSWER: buzkashi

12. The Southerners joked that it would cause the mosquitoes in the swamps to join the resistance, while their leaders thought that it would hasten Europe's entry into the war when cotton shipments were cut off. Northerners thought it overrated sympathy for the Union and demanded a crushing blow, not economic suffocation. FTP, what is this plan proposed by General Scott, to crush the South as a snake does its prey?

ANSWER: General Winfield Scott's Anaconda Plan

13. Discovered by Henrik Dam its varieties include phylloquinone, found in plants, and menaquinone, found in animals and bacteria. It is needed for the formation of gamma carboxyglutamic acid which binds calcium--an important part of blood coagulation. FTP, what is this fat-soluble vitamin discovered by Henrik Dam which takes its name from the Danish spelling of "coagulate"?

ANSWER: Vitamin K

14. When Metellus finally allowed him to return to Rome, he stood for the consulship, was elected, and had the people usurp Senatorial privilege and transfer the African command from Metellus to him. His soldiers became known as his mules because of the heavy packs they carried, and he defeated Jugurtha in Africa. FTP, who is this "First man in Rome" who was elected to a record seven consulships from 107 to 89 BC?

ANSWER: Marius

15. Ptolemy thought that it began in the "Mountains of the Moon," what we today call the Ruwenzori Mountains. He was close, but it actually starts with the overflow of Lake Victoria formed from the Kagera River. It continues northward through Lake Kyoga and over Murchison Falls before joining with the its blue companion at the Atbara. FTP, what is this mysterious source of the Nile River?

ANSWER: the White Nile (prompt on "Nile" until "Blue Nile")

16. Its strength was in the migrant workers of the West, but some of the most visible applications of its tactics of "direct action" came in the East. Comprised of the Western Federation of Miners and the American Labor Union, it pushed for "One Big Union" and reached its peak membership about 1917. FTP, identify this revolutionary labor organization whose most prominent agitators included Elizabeth Gurley Flynn, Joe Hill, and "Big Bill" Haywood.

ANSWER: I_ndustrial Workers of the World (also accept: WOBBLIES)

17. After the appalling losses suffered by the clerics in the first war with the monsters, the church turned to supplying paladins who could heal and exorcise as well as fight. They found themselves well-matched against the two-headed, three-eyed ogres and their bloodlust and runes. FTP, in which hit series of computer games from Blizzard software do these combatants appear?

ANSWER: Warcraft or Warcraft II: The Shores of Lordaeron

18. It shows a dwarf, a large dog, a man at the rear of the room looking back as he mounts the stairs beyond an open door, a mirror in which we see the reflected images of the King and Queen, the artist himself at work on a large canvas, and a royal princess whose attendants give the painting its customary name. The original, completed in 1656, is in the Prado. FTP, identify this famous group portrait by Diego Velazquez.

ANSWER: _LAS MENINAS_ (also accept: The _MAIDS OF HONOR_)

19. Spherical harmonics with odd l [ell] are negative; those with even l [ell] are positive; pions are intrinsically negative, neutrons and protons are positive. It is a multiplicative quantum number conserved by the strong force but violated by the weak force. FTP, what is this quantity which gives the transformation of a wavefunction under spatial inversion, the conservation of which was previously thought inviolable?

ANSWER: parity

20. At first the reader of this 1958 Pulitzer Prize winner is sure that it must be Jay's father who has had a heart attack, but it turns out that Ralph, the bearer of the news, was drunk. Unfortunately, Jay Follet is killed in a car wreck on the way home, leaving his son Rufus to wonder through the next few days about the religiosity and hatred in his family. FTP, what is this title event of a haunting novel by James Agee?

ANSWER: *A Death in the Family*

21. In 1907, 1908, 1909, 1934, and 1940 they were World Series losers. In 1935, 1945, 1968, and 1984 they were World Series winners. FTP, identify this franchise now competing -- though not very successfully -- in the American League's Eastern Division and formerly managed by the great Sparky Anderson.

ANSWER: _DETROIT_ or _TIGERS_

1997 Philadelphia Experiment IV
Packet by The Thermidorean Reaction

Bohuses

1. Given each desert, identify the country in which it is located for ten points apiece.

a. Sonoran

Answer: United States of America (USA) or Mexico

b. Taklimakan

Answer: China

c. Thar

Answer: India (Bharat) or Pakistan

2. For the stated number of points, identify the Nobel laureate in Physiology and Medicine from the year of the award and a brief description:

A. (5) 1905, for work on tuberculosis

ANSWER: Robert KOCH

B. (5) 1983, for her discovery of mobile genes in the chromosomes of a plant that change the future generations of plants they produce

ANSWER: Barbara MCCLINTOCK

C. (10) 1930, for discovery of human blood groups

ANSWER: Karl LANDSTEINER

D. (10) 1952, for co-discovery of streptomycin

ANSWER: Selman A. WAKSMAN

3. Identify the pre-20th century American book from its subtitle and date of publication, for the stated number of points. For the second and third subtitles, you will get five points if you need the author:

A. (5) Life Among the Lowly, 1852

ANSWER: UNCLE TOM'S CABIN

B. (10) The New Pilgrim's Progress, 1869

(5) Mark Twain

ANSWER: The INNOCENTS ABROAD

C. (15) The Source of the Susquehanna, 1823

(5) James Fenimore Cooper

ANSWER: The PIONEERS

4. Given the mythos, identify its Noah figure for ten points apiece.

a. Greek

Answer: Deucalion

b. Sumerian

Answer: Ziusudra

c. Babylonian

Answer: Utnapishtim

5. For 10 points apiece, identify the following persons important in the history of modern Egypt.

A. The soldier appointed pasha by the Ottomans, who destroyed the power of the Mamluks by massacring their leaders in 1811, and laid the foundations of the modern Egyptian state.

ANSWER: MUHAMMED ALI

B. The ruler of Egypt from 1863-79, who was compelled by debt to sell his Suez canal shares to the British and place his country's financial affairs under the control of a French-British Debt Commission.

ANSWER: ISMAIL Pasha

C. The king of Egypt from 1936-52, who was forced to abdicate following the military coup led by Naguib and Nasser.

ANSWER: FAROUK

6. Given a brief description of an American short story, name it for ten points apiece. You'll get five if you need the author.

a. It is the tale of an oiler, a cook, a correspondent, and an injured captain.

5) Stephen Crane

Answer: "The Open Boat"

b. It tells of a Grandmother who didn't want to go to Florida, her son Bailey, and a murderer named "The Misfit" who is loose in the area.

5) Flannery O'Connor

Answer: "A Good Man is Hard to Find"

c. This story, also the title the collection including works such as "Old Mortality," is the tale of a romance thwarted by the death of the young man during the influenza epidemic of 1918.

5) Katherine Ann Porter

Answer: "Pale Horse, Pale Rider"

7. Identify the following historians of Alexander the Great for the stated number of points.

5. This man wrote one of his Lives on Alexander.

Plutarch

10. This man, one of Alexander's generals, wrote the best history of the expedition while serving as the satrap and later king of Egypt.

Answer: Ptolemy I, son of Lagus, of Egypt

15. This man drew upon Ptolemy and Aristobulus and produced the best consecutive account of Alexander's reign. He is the standard first source on the campaigns.

Answer: Arrian

8. Given each famous epitaph, identify the mathematician or scientist whose grave it graces for ten points apiece.

a. A 17-sided regular polygon

answer: Karl Friedrich Gauss

b. A sphere inside the smallest cylinder which could contain it.

answer: Archimedes of Syracuse

c. The equation $S=k \log \omega$.

answer: Ludwig Boltzmann

9. Your topic: the running mates of 3rd party presidential candidates. For ten points each, who ran on the ticket with:

A. (10) H. Ross Perot in 1992

ANSWER: James B. STOCKDALE

B. (10) George Wallace in 1968

ANSWER: Curtis F. LE MAY

C. (10) John B. Anderson in 1980

ANSWER: Patrick J. LUCEY

10. 30-20-10. Name the person.

30: In 1958 he founded the Festival of Two Worlds in Spoleto.

20: His first opera was "Amelia Goes to the Ball," produced in Philadelphia in 1937.

10: He won two Pulitzer Prizes in the 1950s, for "The Consul" and "The Saint of Bleeker Street."

ANSWER: Gian-Carlo MENOTTI

11. Answer the following questions about the rulers of three-quarters of the world, the fish, for ten points apiece.

a. All fish have a sense unknown to mankind monitored by the lateral line. What does it sense?

Answer: changes in pressure

b. Some fish can amplify their sense of hearing by connecting their semicircular canals to another hollow organ with thin bones. What is this other organ?

Answer: swim bladder

c. There are 34 Malaysian species of fish which can live outside the water for five or ten minutes by holding water in their mouth and crawling around on their fins. Give the common name for these creatures.

Answer: mudskippers (Oxudercine gobies)

12. Now that three of golf's major championships have been completed, let's see if you were paying attention. You'll get five points for each champion you can name, and ten if you can pair the champion with the correct tournament.

Answer: Tiger Woods - The Masters

Ernie Els - The U.S. Open

Justin Leonard - The British Open

13. Identify the following poetic title characters for ten points apiece.

a. Two hundred years were assigned to adore each breast, one hundred to each eye, and thirty thousand to the rest.

Answer: Andrew Marvell's coy mistress

b. She was too easily impressed or made glad and the smiles and flirtations annoyed her clearly deranged husband.

Answer: The Duke of Ferrara's ("my") last duchess

c. She was instructed not to call the poet unkind for leaving the nunnery of her breast for his new mistress: the first foe in the field.

Answer: Lucasta

14. Answer the following chemistry questions for ten points apiece.

a. If an ideal gas is allowed to double in volume, by what factor does its entropy change?

Answer: $\ln 2$ ("the natural logarithm of 2")

b. If the temperature of an ideal gas is doubled, by what factor does its average kinetic energy change?

Answer: 2

c. If species A is dissociating into B and C in solution and all three concentrations are doubled, by what factor does the reaction rate change?

Answer: $1/2$

15. Answer the following questions about the Bahá'í faith for ten points apiece.

a. What nineteenth century man is considered the final prophet and heir to the position of Abraham, Jesus, and Muhammad?

Answer: Bahá'u'lláh

b. In which present-day country did Bahá'ism arise?

Answer: Iran

c. In which country is the international governing body of the Bahá'ís, the Universal House of Justice, located?

Answer: Israel

16. Identify the state from the names of two of its current Congresspersons, for 10 points, or from the name of a Senator, for 5.

A. (10) Ron Lewis, Jim Bunning

(5) Wendell Ford

ANSWER: KENTUCKY

B. (10) Jack Reed, Patrick J. Kennedy

(5) John Chafee

ANSWER: RHODE ISLAND

C. (10) Bill Orton, Enid Waldholtz

(5) Robert F. Bennett

ANSWER: UTAH

17. Identify the following 20th century American novels from a main character for 10 points each, or for 5 points if you also need an author.

A. (10) Rebecca Randall

(5) the author is Kate Douglas Wiggin

ANSWER: REBECCA OF SUNNYBROOK FARM

B. (10) Yakov Bok

(5) the author is Bernard Malamud

ANSWER: The FIXER

C. (10) Janie Crawford

(5) the author is Zora Neale Hurston

ANSWER: THEIR EYES WERE WATCHING GOD 20.

18. Answer the following questions about Mohandas K. Gandhi for ten points apiece.

a. In what country did he first become a spokesman for Indian indentured laborers and overcome the shyness which had caused him to fail the bar?

Answer: South Africa

b. Give either the name or the location of Gandhi's self-sufficient religious community to which he retreated during turbulent years.

Answer: ashram or Sabarmati

c. What two-word English name was given to Gandhi's 1942 attempt to paralyze India's production during the war?

Answer: "Quit India" Campaign

19. Answer the following questions about Beethoven's Fifth symphony for ten points apiece.

a. What instrument, along with the strings, plays the opening motif?

Answer: clarinet

b. Octaves of which note dominate the opening chord?

Answer: G

c. In what key is it written?

Answer: C minor

20. Given the title of a well-known masterpiece of European painting, and the artist, identify the city to which you would travel to view the original -- assuming no loans or travelling exhibitions are underway. 5 points apiece.

A. El Greco's "The Burial of Count Orgaz"

ANSWER: TOLEDO, Spain

B. Leonardo's "The Last Supper"

ANSWER: MILAN

C. Picasso's "Guernica"

ANSWER: NEW YORK City

D. Bosch's "Garden of Earthly Delights"

ANSWER: MADRID

E. Manet's "Olympia"

ANSWER: PARIS

F. Raphael's "Sistine Madonna"

ANSWER: DRESDEN