

Last read April '01, but we only got three tossups  
in before we realized that Ed wrote it

8

PHILADELPHIA EXPERIMENT V

## Quizbollah: Tossups

1. *His Ludus tonalis emulates Bach's Well-Tempered Clavier, but it contains only 12 fugues, because this composer rejected the distinction between major and minor keys. An opponent of Schoenberg, [★] this professor of music at Yale developed the theory of Gebrauchsmusik, or "utility music," and is noted for his Kammermusik, seven chamber concerti for unusual forces. FTP, name this composer of Symphonic Metamorphoses on a Theme by Weber [VAY-ber] and When Lilacs Last in the Dooryard Bloom'd.*

ANSWER: Paul Hindemith

2. *A lover of travel, his travel sketches, beginning with Records of a Weather-Exposed Skeleton and A Visit to the Kashima Shrine proved popular. [★] He also wrote seven major poetry anthologies, including one devoted entirely to frogs. FTP, name this 17<sup>th</sup> century Japanese writer best known for his last major travel sketch, The Narrow Road to the Deep North, and for his refinement of the haiku.*

ANSWER: Matsuo Basho or Matsuo Munefusa

3. *A Baptist minister and graduate of Bob Jones University, he was accused of having an affair with a former staffer just months after voting to convict Bill Clinton. [★] Beating Winston Bryant to become his state's first GOP senator since 1879, the New Yorker reports Bill Clinton is considering a run for his seat in 2002. FTP, name this Republican from Arkansas, the brother of House impeachment manager Asa.*

ANSWER: Sen. Tim(othy) Hutchinson

4. *Its title hero is a cripple, his mother is a hunchback, and his chief general Fakuru is a dwarf. However, these deformities are seen as positive signs of magical power, [★] and help the hero to defeat the king of Susu, a magician named Sumanguru. FTP, identify this great African epic poem, which tells of the founding of the kingdom of Mali.*

ANSWER: The Epic of Sundiata or Sundjata or Mari Diata or Mari Jata

5. *The internal kinetic energy of one mole of ideal, monatomic gas at absolute temperature T is 1.5 times T times this number. [★] Equal to Boltzmann's constant times Avogadro's number, it is approximately 8.1 joules per kelvin per mole, but is often expressed in the units liters times atmospheres per kelvin per mole. FTP, name this constant of kinetic theory, usually denoted by the letter R.*

ANSWER: ideal gas or universal gas or gas law constant [prompt on R]

6. *Named after the German word for "peppermint," they were invented in Austria as a healthy alternative to smoking. [★] Over 2,000 enthusiasts were on hand for a convention in Independence, Ohio, in July 1999 to celebrate them. The "make-a-face" variety, with interchangeable parts, often tops \$5,000 at auctions. FTP, name this brand of squarish candy, introduced into the US in 1952 in cool plastic dispensers.*

ANSWER: PEZ [HN: the German word for "peppermint" is: pfefferminz]

7. *The name's the same. One was Hadrian's lover, whose early death by drowning [★] led the grief-stricken emperor to have him deified, and to erect statues and shrines to him throughout the Roman empire. FTP, what name does he share with the obnoxious leader of the suitors who prey on Penelope in *The Odyssey*, the first suitor Odysseus kills upon his return?*

ANSWER: Antino's

8. *This word appears 71 times in 39 Psalms, and thrice in Chapter 3 of the book of Habakkuk. During oral readings or performances of ancient texts, this word may have indicated a cymbal crash or a musical interlude. FTP, [★] name this 5-letter word which signified a pause in the story, which scholars believe was originally written in the margins, but has mistakenly made its way into the text of the Old Testament.*

ANSWER: Selah

9. *It is said this artist's upbringing in Wilkes-Barre, Pennsylvania, a coal-producing city in the Poconos, contributed to his most recognized style: wide, deliberate, all-black brushstrokes on white canvas. [★] Late in his life, he finally admitted that they were conscious recollections of black coal on white snow. FTP, name this abstract Expressionist whose works include *Probst* and *Mahoning*.*

ANSWER: Franz Kline

10. *The acute narrow-angle variety results from the sudden obstruction of the entrance to the canal of Schlemm; in the chronic wide-angle variety, [★] the drainage canal gradually becomes blocked with aqueous humor, leading to a steady increase in pressure on the iris. FTP, name this ocular disorder which results from abnormally high fluid pressure in the eye.*

ANSWER: glaucoma

11. *In a series of novels by Aaron Allston, he assembles a team of commando specialists who are also fighter pilots, calling them the "Wraith Squadron." [★] He shares his last name with an Imperial captain on the ship Tantive IV who is killed by Darth Vader. FTP, name this minor Star Wars character, the only X-Wing pilot to survive both Death Star missions for the Rebel Alliance.*

ANSWER: Wedge Antilles [prompt on "Antilles"]

12. *The protesters, angry because they could not acquire land to mine for gold, set up a barricade. Charles Hotham's government, determined to crush the uprising, attacked the barricade and dispersed the mob. [★] Later, though, juries failed to convict the conspirators for treason, and soon democratic reforms, and laws relinquishing the government's control of land, were passed. FTP, name this 1854 event, the birthplace of Australian democracy.*

ANSWER: Eureka Stockade

13. *The first-named god in Roman liturgies, he was sometimes depicted as four-faced. The animistic spirit of doorways and gates, [★] he is most often depicted as having two faces: one in front to see the future, and one in behind to review the past. Originally, a god of light who opened the sky at day break and closed it at sunset, FTP, name this Roman god after whom a month in today's calendar is named.*

ANSWER: Janus

14. *Rostand wrote about his last night. Frisch described his love of geometry. [★] Grabbe paired him with Faust. Otto Rank analyzed him. Pushkin described his stone guest. Shaw stuck him in Hell. FTP, name this archetypal character who first appeared in Tirso de Molina's play *The Trickster of Seville*, the title character of an epic poem by Byron.*

ANSWER: Don Juan [wan or JOO-an]

15. *Data from deep inelastic collisions indicate that about 54% of the observed mass of a nucleon may consist of these massless particles. Only eight of them exist, rather than nine, because the ninth is a singlet state combination that cannot exist in nature. FTP, [★] what are these gauge bosons responsible for carrying the strong nuclear interaction, whose name indicates their role in holding nuclei together?*

ANSWER: gluons

16. *Referring to May 8, 1988, its name comes from the color of the jerseys worn by [★] replacement officials refereeing a hockey game at the Meadowlands that night. Regular officials boycotted the Devils-Bruins game because they felt Devils coach Jim Schoenfeld's one-game suspension wasn't enough. FTP, name the colorful moniker of this weekend contest, precipitated by "Hey Koharski, have another donut, you fat pig!"*

ANSWER: Yellow Sunday

17. *General Winfield Scott was sent as a mediator in the aftermath of this event, inspired by the revolt of William Lyon Mackenzie for greater democracy in Upper Canada. [★] Several American citizens sent a small steamer with supplies for the rebels to Niagara Falls, where it was burned by Canadians loyal to the government. FTP, identify this 1837 crisis in relations with Britain, named for the ship that was destroyed.*

ANSWER: the Caroline affair

18. *Literary scholars Roland and Maud specialize in Victorian poetry. [★] He prefers traditional, Browningsque poet Randolph Ash, while she focuses on feminist readings by Christobel LaMotte, Ash's contemporary. They move from competition to collaboration as they start to uncover a forbidden romance between the poets, and slowly start a romance of their own. FTP, name this Booker-prize-winning literary love story by A.S. Byatt.*

ANSWER: Possession

19. *Among the largest cities here are Antofagasta and Arica; the only river to traverse it is the Loa. Diego de Almagro was the first European to cross it, [★] but it was largely ignored until the discovery of guano deposits, with high concentrations of sodium nitrates, which encouraged immigration to this parched region. FTP, name this Chilean desert, the driest in the world.*

ANSWER: the Atacama desert or Atacameño or Cunza [prompt on "Chile"]

20. *The first name's the same. Frederiksen is the lead guitarist for the ska-core band Rancid. Another wrote the standard introductory text on complex analysis, one of the first Fields Medal recipients in 1936, and was surnamed Ahlfors. [★] Anderson is the namesake of a park in Boston as well as the bridge across the Charles River connecting JFK and North Harvard Streets. FTP, what is this common Scandinavian first name?*

ANSWER: Lars

21. *Championed by Feargus O'Connor, who traveled the country speaking in its favor, and founded a central organization to further its aims, [★] this movement ended in London when a proposed third convention was rained out. Thus the goals of voting by ballot, universal male suffrage, and other demands were never formalized in a third petition. FTP, name this British workingmen's political reform movement, named for the document that expressed its goals.*

ANSWER: Chartism [accept word forms; accept People's Charter before "movement"]

22. *Arthur Koestler theorized that the Ashkenazi Jews of Central Europe were their direct descendants. [★] While this has not been proven, it is known that they adopted Judaism as their state religion sometime during the 8<sup>th</sup> century AD. FTP, name this Central Asian people who grew rich off of the Slavic slave trade and whose khans dominated the Crimea region from the 7<sup>th</sup> to the 10<sup>th</sup> century AD.*

ANSWER: Khazars

## Quizbollah: Boni

1. Identify the following figures from Plato's *Symposium*, 10 points each.

1. The symposium is held at the house of this tragedian, who may have been the lover of Euripides.

ANSWER: Agathon

2. Socrates credits this priestess from Mantinea with revealing to him the true nature of love.

ANSWER: Diotima

3. This statesman and general Athenian bad boy crashes the party, and tells the participants of his unsuccessful attempts to seduce Socrates.

ANSWER: Alcibiades

2. Answer these questions about an American political party, 10 points each.

4. Founded on Labor Day weekend in 1992, it promises to abolish the IRS.

ANSWER: US Taxpayers Party

5. In July, this Republican senator from New Hampshire left the GOP, and announced he would continue his bid for President, seeking the nomination of the US Taxpayers Party.

ANSWER: Rep. Robert Clinton "Bob" Smith

6. This conservative activist, the founder of the US Taxpayers Party, was its Presidential nominee in 1992 and 1996.

ANSWER: Howard Phillips

3. Name these figures from 19<sup>th</sup> century Russian history, 10 points each.

1. Successor to Alexander II, he negotiated the Three Emperors' League, formed an alliance with Germany, and pushed for a revision of his father's Zemstvo laws.

ANSWER: Czar Alexander III or Aleksandr Aleksandrovich

2. This ultra-conservative cleric, and procurator of the holy synod from 1880 to 1905 tutored both Alexander III and Nicholas II, pushing the government toward oppression and extreme nationalism.

ANSWER: Konstantin Petrovich Pobedonostsev [pah-BYEH-duh-nost-sev]

3. This railroad administrator and financier served as minister of finance from 1892 to 1903 and helped spur industrialization and railroad construction.

ANSWER: Sergei Yulyevich, Graf Witte [VIT-teh]

4. Name these Shakespearean characters from descriptions, for the stated number of points.

- [5] Hamlet calls him a man of "infinite jest."

ANSWER: Yorick

- [10] The best way to get revenge on him is "to entertain him with hope."

ANSWER: Sir John Falstaff

- [15] This *Twelfth Night* character calls himself a "corrupter of words."

ANSWER: Feste

5. Name these figures from the conquest of Mexico, 10 points each.

1. Captured after the battle of Tabasco, she spoke both Maya and Aztec, and became Cortes's mistress, interpreter, and primary negotiator with local leaders.  
ANSWER: **Malinche** [mah-LEEN-chay]
2. Montezuma's son, this last Aztec emperor was eventually captured and tortured on a bed of coals.  
ANSWER: **Cuautemoc**
3. Cortes's chief lieutenant, he helped incite Cuautemoc's assaults, massacring 600 Aztec chiefs during a sacred ritual inside the Tenochtitlan temple enclosure. He later conquered Guatemala.  
ANSWER: Pedro de **Alvarado**

6. Name these regions of India, 10 points each.

4. This plateau, whose name means "south," includes most of Karnataka, South Andhra Pradesh, southeast Maharashtra, and northwest Tamil Nadu.  
ANSWER: the **Deccan** plateau
5. Two mountain ranges of southern India bear this name; they parallel the Arabian Sea and the Bay of Bengal, surround the Deccan Plateau, and are joined by the Nilgiri Hills in the south.  
ANSWER: the Western and Eastern **Ghats** [gots]
6. This sub-range of the Western Ghats is known for its people's cultivation of tea, coffee, teak, bamboo, turmeric, and a member of the ginger family.  
ANSWER: **Cardamom** Hills or Mountains

7. Answer these related sculpture questions, for the stated number of points.

- [5] This term describes pre-historic figures, believed by some to have been used as amulets, of women with rounded bodies and large, pendulous breasts. The most famous was found at Willendorf.  
ANSWER: **Venus**
- [15] This French-born American sculptor created an enormous number of *Standing Women*, all modern interpretations of the Venus of Willendorf.  
ANSWER: Gaston **Lachaise**
- [10] Lachaise also created a bust of this author of *The Enormous Room* and *& [Ampersand]*.  
ANSWER: Edward Estlin **Cummings**

8. Given a phrase written in Esperanto, give its English-language equivalent for 15 points each.

7. *La rapida bruna vulpo saltis kovri la maldiligenta hundo.*  
[la ra-PEE-da BROO-na VOOL-po SAHL-tees KOHV-ree la mal-dee-lee-GEN-ta HOON-do.]  
ANSWER: **"The quick brown fox jumped over the lazy dog."**
8. *Esti, au ne esti. Tio estas la demando.*  
[EH-stee AH-oo ne EH-stee. TEE-oh EH-stahs la deh-MAHN-do.]  
ANSWER: **"Either to be, or not to be. That is the question."**

9. I'll describe three pairs of baseball players that share both first and last names. 10 points for *both* names.

9. These Mets and Rockies pitchers faced each other earlier this season, the first time this century two starting pitchers with the same first and last name did so. The Mets won.

ANSWER: **Bobby Jones**

10. One is a benchwarmer and utility infielder for the Giants; the other a Red Sox starter in injury rehab.

ANSWER: **Ramon Martinez** [do not accept "Pedro Martinez"]

11. One made the NL All-Star team this year as a backup shortstop; the other, who also plays short, is out for the year with injury, and his spot is currently being taken by Tony Batista.

ANSWER: **Alex Gonzalez** [Marlins and Blue Jays]

10. Answer these questions about a work by Alexander Pushkin, 10 points each.

1. This Pushkin work is about a gambler who seeks "forbidden truths" so he can gamble without risk.

ANSWER: *The Queen of Spades* or *Pikovaya dama*

2. This Russian composer wrote an opera based on Pushkin's *Queen of Spades*.

ANSWER: Pyotr Ilyich **Tchaikovsky**

3. Tchaikovsky's opera is better known by this hyphenated French name for the Queen of Spades.

ANSWER: La **Pique-Dame**

11. 30-20-10. *Pencil and paper may be useful. Give the area of the triangle. You have 15 seconds per part.*

[30] *The perimeter of the triangle is 48. Inscribed in the triangle is a circle of diameter 7.*

[20] *The sine of the smallest angle in the triangle is 8/17.*

[10] *The side lengths are 10, 17, and 21.*

ANSWER: **84**

12. Ten points each, name these archaeologists famous for their excavations in Egypt.

4. This Englishman is best known for uncovering the tomb of Tutankhamun in 1922.

ANSWER: Howard **Carter**

5. This professor of Egyptology at University College, London, and founder of the British School of Archaeology is best known for excavating the tomb of Amenehmet in Memphis.

ANSWER: (William Matthew) Flinders **Petrie**

6. In 1817, this Italian opened up the temple of Abu Simbel and found the tomb of Seti I at Thebes.

ANSWER: Giovanni Battista **Belzoni**

13. Answer these questions about Talking Heads, for the stated number of points.

[10] Talking Heads was formed by a group of students from what Providence, RI, art school?

ANSWER: **Rhode Island School of Design**

[10] Talking Heads released this concert movie, directed by Jonathan Demme, in 1984.

ANSWER: *Stop Making Sense*

- [2x5] The bassist and drummer of the Talking Heads—who were married—split off from the rest of the band to form Tom-Tom Club as a side project in the early 80s. Name them, 5 points each.

ANSWER: Chris **Frnatz** and Tina **Weymouth**

14. Answer these questions about a cellular organelle, for the stated number of points.

1. These organelles contain large and small subunits, are about 10-20 microns in diameter, and can be found in the cytoplasm as well as on rough ER.

ANSWER: **ribosomes**

2. The two subunits are designated 30S and 50S, where S stands for this unit of sedimentation.

ANSWER: **Svedbergs**

3. This type of transfer RNA can, among other things, prevent termination of transcription, or correct for mistakes, such as frame shifts.

ANSWER: **suppressor** tRNAs

15. Answer the following questions about Germaine Greer, for the stated number of points.

- [5] Greer, a well-known feminist writer, was born in 1939 in what country?

ANSWER: **Australia**

- [10] This 1970 Greer work studies how patriarchy, through the nuclear family and capitalism, subordinates women.

ANSWER: *The **Female Eunuch***

- [15] This 1979 book by Greer is a study of women and painting.

ANSWER: *The **Obstacle Race***

16. Answer these questions about the Paris Commune, for the stated number of points.

- [5] The insurrection called the Paris Commune was fueled by the extreme deprivation after this war.

ANSWER: **Franco-Prussian** or **Franco-German** War

- [10] This author of *The Civil War in France* argued that the Paris Commune was an example of a prototypical proletarian government.

ANSWER: Karl Heinrich **Marx**

- [15] In what year did the Paris Commune “govern” Paris?

ANSWER: **1871**

17. Given a line from a poem about a critter, name the poem, 10 points each.

1. “His gaze has from the passing of the bars/become so tired, that it holds nothing more./It seems to him there are a thousand bars/and behind a thousand bars no world.”

ANSWER: “The **Panther**” or “*Der **Leopard***” by Rainer Maria Rilke

2. “Thou know’st that this cannot be said/A sin, or shame, or loss of maidenhead,/Yet this enjoys before it woo,/And pampered swells with one blood made of two.

ANSWER: “The **Flea**” by John Donne

3. “I looked into his eyes/which were far larger than mine/but shallower, and yellowed,/the irises backed and packed/with tarnished tinfoil”

ANSWER: “The **Fish**” by Elizabeth Bishop





18. Answer these questions on record comebacks in major golf tournaments, 10 points each.

1. This golfer came back from 10 strokes behind at Carnoustie to win the 1999 British Open.

ANSWER: Steve **Lawrie** [HN: *not* the Steve Lawrie on the Princeton team!]

2. This French leader's triple-bogey 8 on hole 16 gave Lawrie the chance to close up the gap.

ANSWER: Jean **Van de Velde**

3. Before Lawrie, this man held the record for the greatest final-round comeback in a Major.

ANSWER: Arnold **Palmer** [HN: from seven back at the 1960 US Open]

19. 30-20-10. Name the historical figure.

- [30] In his 1904 "The Prince of Peace" speech, he "proved" the idea of miracles by noting that people violated the law of gravity every day—showing even the firmest laws of nature could be overcome.

- [20] In 1924, his brother Charles was the Vice-Presidential running mate of John W. Davis.

- [10] Known for his "Cross of Gold" speech, he unsuccessfully ran for President three times.

ANSWER: William Jennings **Bryan**

20. Famous paintings and sports terms collide in this conjunction bonus. 10 points per part.

1. Tom Osborne's critical last call in his first Orange Bowl appearance, and a Caravaggio painting depicting a man fallen from his high horse, so to speak.

ANSWER: **two-point Conversion of St. Paul**

1. The site of Willis Reed's dramatic Game 7 appearance in the 1970 NBA Finals despite a serious injury, and a well-known triptych by Jerome van Aken.

ANSWER: **Madison Square Garden of Earthly Delights** [Jerome van Aken =

Hieronymus Bosch]

2. A Delacroix painting showing two men standing in a boat surrounded by naked drowning guys, and an NL left-fielder who puts up All-Star hitting numbers at home but is below-average on the road.

ANSWER: **Barque of Dante Bichette** [buh-SHEH-tee]

21. Many African slaves brought to Latin America retained large parts of their religious traditions, as opposed to those brought to the US. Name these variations on West African religions for the stated number of points.

- [5] This Haitian religion's priests become "horses" for divine spirits called *loas*.

ANSWER: **Voodoo** or **Vodun**

- [10] This Cuban variant of a Yoruban religion focuses on many deities or *orishas* which spring from one divine source. Shango, the god of lightning, is a personal favorite of "El Duque" Hernandez.

ANSWER: **Santería**

- [15] This Brazilian variant of the Yoruban tradition is found primarily in Bahia, and also focuses on the worship of, and spiritual possession of people by *orishas*.

ANSWER: **Candomble** or **Macumba**

22. Name these sorting algorithms, 10 points each.  $N$  refers to the total number of elements to be sorted.
3. Divide an array into two subarrays, one containing only elements less than element  $A$ , and one with elements not less than  $A$ . Repeat the process on each subarray, until all subarrays are trivially small.  
ANSWER: **quick** sort
4. For every  $i$  less than  $N$ , compare elements with index  $i$  and  $i + 1$ . Swap them if they are out of order. Repeat  $N - 1$  times.  
ANSWER: **bubble** sort
5. Find the smallest element and swap it with the first in the array. Then find the next-smallest and swap it with the second. Continue in this fashion until all  $N$  elements are in order.  
ANSWER: **selection** sort