

Technophobia IX Round 6

Scrudd B
Melissa Pedreira

November 6, 2004

1 Scrupp B Tossups, Round 6

1. It relies on the fact that the isometry group of the sphere contains the free group on two generators and is thus not solvable. Constructed as an argument why the Axiom of Choice should not be incorporated into set theory, it is still called a paradox despite the fact that it is now an accepted result. For ten points, what famous “paradox” states that one can divide a ball into disjoint sets and end up with two balls of the original size via rotations?

Answer: The Banach-Tarski Paradox/Theorem

2. The book’s title character wins a standing ovation for his Greek oratory. He’s told by Mr. Ducie that “to love a noble woman . . . was the crown of life” but replies, “I think I shall not marry.” It was inspired by Edward Carpenter, who lightly touched the author’s ass, “gently and just above the buttocks,” starting a homosexual affair, just as the title character of this 1914 work pursues a relationship with his fellow student Clive Durham at Cambridge who jilts him for a woman. For ten points, name this last completed novel of E. M. Forster, published in 1971.

Answer: Maurice Hall from *Maurice*

3. Mary Rowlandson described her experience as a captive during this war after Lancaster, Massachusetts was raided on February 11, 1676, the latest escalation of violence that began when the spy John Sassamon was killed in 1675 by three Wampanoags. For ten points, name this war named for the European name for Massasoit’s son Metacom.

Answer: King Philip’s War

4. When he ascended to the throne, he executed the princes of Lyncestis and tried to think of a way to repay the 500 talents he owed his troops and Agesilaus of Sparta. His plan was to leave Antipater behind and with extend Parmenio’s foothold past the Granicus near the seam of Marmara in order to capture the riches of Darius, whom he defeated at the battle of Issus in 333 BCE. For ten points, name this Macedonian general, the son of Philip II.

Answer: Alexander the Great or Alexander III

5. Critic Hamilton Basso said of this writer, “In his books as nowhere else, we get an understanding of how that earlier world of clipped lawns, gabled houses, and long summer holidays seemed from the inside.” A founder of Princeton’s Triangle Club and editor of the Nassau Literary Magazine, his Hollywood credits include the stories on which the Doris Day vehicle *By the Light of the Silvery Moon* and the Judy Garland film *Presenting Lily Mars* were based. Best known for his two Pulitzer Prize-winning novels, for ten points, name this Indiana-born author of *Penrod*, *Alice Adams*, and *The Magnificent Ambersons*.

Answer: Newton Booth Tarkington

6. He hit .318 at Oneonta during this Summer of 1982, and although slightly sluggish from first to third, he was the Yankees’ top prospect. Shunning the MLB, he was traded by Baltimore to Steve DeBerg’s team, his home for his pro career and where he led his team to championships in 1997 and 1998. For ten points, name this AFC quarterback, the only Bronco in the NFL Hall of Fame.

Answer: John Elway

7. It technically became an island in 1893 when engineer Béla Gerster completed the canal between the Saronic Gulf and the Gulf of Corinth. This region has another connection to the mainland via the EU-financed bridge between Rio and Antirio, the world’s longest cable-stayed bridge.

Known in the Middle Ages as Morea, is more associated with a son of Tantalus. For ten points, name this Greek island-cum-peninsula that lent its name to a war between Athens and Sparta.

Answer: Peloponnesos

accept also Peloponnesus or the Peloponneses; prompt on Pelop's Island before the end of the clue

8. Leaked memos from this North Canton company told agents “not to offer damaging opinions of our systems, even when their failings become obvious” and the hope that they’d be “smart enough to charge them up the wazoo” for the ability to print physical transaction logs. Its CEO, Walden O’Dell, promised that he is “committed to helping Ohio deliver its electoral votes to the president next year,” an odd thing for the nation’s largest supplier of electronic voting systems. For ten points, name this besieged maker of ATMs and Voting Machines.

Answer: Diebold Incorporated

9. During this period, Walther Rathenau negotiated the treaty of Rapallo with Russia, and Wilhelm Cuno argued for passive resistance against Raymond Poincaré’s troops in the Ruhrgebiet. Rathenau’s assassination and the Kapp Putsch were perpetrated by the Freikorps, who were but one manifestation of the malaise brought about by hyperinflation and the Treaty of Versailles. For ten points, name this Thuringian government overthrown by Adolf Hitler.

Answer: Weimar Republic or Weimarer Republik

10. Osmotar of Kalew creates it in Rune 20 of the Kalevala. It was defined by Herzog Willhelm IV, who in his Reinheitsgebot decreed that it should only be sold for no more than two pfennigs [feh-n-NEENGZ] from St. George’s feast until Michelmas or one pfennig [feh-n - NEENG] at other times and said that it should only be “Hopfen, [HAHP-feen] Malz [MAHLZ] und [OOHND] Wasser [WAHS-sehr].” For ten points, Ben Franklin wrote that the “proof that God loves us, and wants to see us happy” is what intoxicating substance?

Answer: beer or oluen

11. It is in-place since one needs only the index of two elements; it is stable since identical elements will never be exchanged; it suffers, however, from a worst-case running time of $O(n^2)$ for inverted order arrays because the outer loop will run n times and will swap every pair of elements before reaching a sorted output. For ten points, name this sorting algorithm that percolates elements to their final position in the sorted list.

Answer: Bubble Sort

12. According to Daniel Barenboim, she was hard to conduct because she would forget about the orchestra; nevertheless, the composer and pianist Barenboim married her in Israel in 1967. A student of Casals and Rostropovich, after her early death in 1987, her siblings, Hilary and Piers, wrote a memoir called “A Genius in the Family” which later became a motion picture featuring Emily Watson. For ten points, name this English cellist and victim of MS who is best known for her performances of Elgar’s Cello Concerto.

Answer: Jacqueline Du Pré

13. A newspaper man working for what is now *L’Equipe*, Henri Desgrange, started it for the first time in 1903. Because *L’Auto* was printed on yellow paper, at the end of each day the current leader is given a yellow shirt to wear, while those who do best in the mountains are given a polka-dotted shirt. For ten points, name this race that in 2004 started in Liege, Belgium and ended at the Champs-Élysées in Paris with Lance Armstrong wearing the leader’s yellow jersey.

Answer: The Tour de France

14. In explaining this painting, its painter stated that in order for the central object's mystery to be evoked, "another immediately familiar image without mystery was joined." This latter image, an object upon which rests a clock reading 12:43 and two empty candle holders, is a dining room fireplace. For ten points, name this work of art whose French title is literally translated as "Ongoing Duration Stabbed By a Dagger," a surrealist classic featuring a locomotive in an unusual place, created by Rene Magritte.

Answer: Time Transfixed or La Durée poignardé

15. His 1895 Freiburg inaugural address condemned the Junker class and detailed what was wrong with agriculture in Prussia. One such target was General Erich Ludendorff, whose actions during world war I he considered traitorous. He is better, known, however, for a work that claimed that psychological insecurity led to a search for affirmation, which in turn stimulated economic growth. For ten points, name this German economist and sociologist who wrote *The Protestant Ethic and the Spirit of Capitalism*.

Answer: Maximilian Weber

16. The reagent of this reaction generally exists in dimeric form before reacting. Addition of a strong base after the main reaction is required to generate the final product. Its regioselectivity is the opposite of the oxymercuration reaction. Due to the reagent's empty p-orbitals, one unit of the reagent, in an excess of substrate, is capable of producing three units of alcohol. For ten points, name this reaction involving the lightest member of group XIII.

Answer: Hydroboration-Oxidation

17. By tradition, women can't marry until they're eighteen, and men can't marry until twenty in this crescent shaped nation. To the north of its capital lies a well-fortified harbor often defended by Venalian mercenaries. It was visited by the Vespucci expedition shortly before the reign of Gargantua, whose son Pantagrue freed it from an invasion by the Dipsodes. For ten points, name this fictional country off the coast of South America described by Thomas Moore.

Answer: Utopia

18. Laurent Biett was the first to describe some of this disease's widely varying symptoms: cold hands and feet, trouble breathing, extreme fatigue, joint inflammation, a butterfly-shaped rash and sun sensitivity. Incurable but treatable with steroids, Karposi discovered that most patients have problems with one organ system, like the skin or the kidneys and described the systemic erythematosis and vulgaris varieties. For ten points, name this autoimmune disorder.

Answer: Lupus Erythematosus

prompt on "nephritis" or "Glomerular Disease"

19. He was given the two stones from the breastpiece of decision mentioned in Exodus 28 which he found in Hill Cumora, but after Martin Harris lost 116 pages of his translation, the Urim and Thumin were taken away by the angel Moroni as punishment for losing a large portion of the book of Lehi, the father of Nephi. For ten points, identify this prophet who translated the plates of gold, aka the *Book of Mormon*.

Answer: Joseph Smith

20. About 90 percent of the region lies more than 3,300 feet above sea level, and only 9 percent of its area is cultivated. Pushed south from the Don, its settlers created a territory called Tuallag during the Middle Ages. Called Samachablo or, more recently, Tskhinvali, its President, Eduard Kokoity, has declared that Shalikashvili want war. For ten points, what region in Georgia whose northern counterpart in Russia recently saw a school hostage crisis in which hundreds were

killed?

Answer: South Ossetia or

Yuzhnaya Osetiya or Respublikae Xussar Iryston

21. His novel of thirteenth century Italy inspired Wagner's *Rienzi*, and *Ernest Maltravers*, what many consider his best work, is based on Göthe's *Wilhelm Meister*. Interested in the occult, his *The Haunted and the Haunters* is considered by some to be the best ghost story written, and Arbaces the magician is a prominent character in his *The Last Days of Pompeii*, another of his less revered works. For ten points, name this author of *Paul Clifford*, which begins "it was a dark and stormy night."

Answer: Lord Edward Bulwer-Lytton

Accept either last name

22. The king of this nation, currently living in China after a four month "vacation" in North Korea, has threatened to abdicate via handwritten French notes on his website. In 1955, the abdication of Sihanouk was not blocked. Now, however, Prime Minister Hun Sen has declared that abdication is illegal. For ten points, name this Southeast Asian nation whose king would give up his claim to power in Phenom Pen.

Answer: Cambodia or Khmer Kampuchea

2 Scrupp B Bonuses, Round 6

1. For ten points each, name these documents associated with the governing of early America.
 - (a) Written in 1754, this document proposed a single institution to govern the American colonies, but it never was implemented.
Answer: Albany Plan of the Union
 - (b) This document, written in 1777 and put in force in 1781, was plagued by its requirement of unanimity to change its provisions.
Answer: Articles of Confederation
 - (c) It was adopted in 1787 and regulated the settlement of territory west of the Appalachians and north of the Ohio River. It also contained provisions for government, slavery, inheritance, and gaining statehood.
Answer: Northwest Ordinance of 1787

2. Jiminy jillikers, it's a superhero bonus! For the stated number of points, name these superheroes or supervillains.
 - (a) This nemesis of Spider-Man has been embodied by at least four different individuals, including Norman Osborn. He was also the first supervillain to use "pumpkin bombs".
Answer: The Green Goblin
 - (b) Neal Adams and Dennis O'Neil paired these two members of the Justice League together. For five points each, name these two DC superheroes, one an archer and the other bearing a notable ring.
Answer: Green Lantern and Green Arrow
 - (c) For ten points, the Soviets genetically and mechanically enhanced Arkady Rossovich to create this foe of the X-men, with carbonadium coils he can extend from his hands.
Answer: Omega Red

3. In 1919, the White Sox threw the World Series in what became known as the "Black Sox Scandal." For ten points each:
 - (a) Who opposed the White Sox in the Series?
Answer: The Cincinnati Reds
 - (b) Name either of the two White Sox starting pitchers who were in on the scam.
Answer: Eddie Cicotte or Claude "Lefty" Williams
 - (c) Name the other two White Sox who confessed their involvement in the scam, but later recanted.
Answer: Eddie Cicotte and "Shoeless" Joe Jackson

4. For ten points each, answer the following questions about the book of Ecclesiastes.
 - (a) Though many of its elements suggest that it was written down hundreds of years after his death, the book of Ecclesiastes is often attributed to this King.
Answer: Solomon

- (b) Complete the phrase with a word starting with V: “this also is (BLANK) and vexation of spirit”.

Answer: Vanity

- (c) The book of Ecclesiastes immediately follows what other book also attributed to Solomon in the Orthodox, Catholic, and Protestant Canons?

Answer: Proverbs

5. Name the poet from lines, 30-20-10.

30 Gr-r-r—there go, my heart’s abhorrence!
Water your damned flower-pots, do!

20 That moment she was mine, mine, fair,
Perfectly pure and good: I found
A thing to do, and all her hair
In one long yellow string I wound

10 That’s my last Duchess painted on the wall,
Looking as if she were alive.

Answer: Robert Browning

6. How well do you know your Greek islands? For ten points each, give the modern names of these islands from descriptions.

- (a) Called “Val di Conspare” when owned by the Venetians, this island is believed by some to be the home of Homer.

Answer: Ithaca or Ithaki

- (b) Sometimes called “Mytilene,” this island is much better known by another name. It was home to the poets Alcaeus and Sappho.

Answer: Lesbos or Lesvos

This second largest island of Greece after Crete is connected to the mainland by a bridge at Halkida across the Evripos Strait.

Answer: Evia or Euboea

7. Identify these French monarchs, 5-10-15

- 5 This unpopular queen of France was guillotined on October 16, 1793 in Paris.

Answer: Marie Antoinette

- 10 He ruled for 72 years from 1643-1715, the longest reign in European history.

Answer: Louis XIV

- (a) This king ruled from 1515 to 1547 and is most remembered for promoting the Italian Renaissance in France.

Answer: Francis I or Francois I

8. Economics bonus. For ten points each...

- (a) Some economists speculate that if Rolls-Royces or French wines fell in price, preference for them would drop because they would cease to be status symbols. This may be an exception to which basic law of economics?

Answer: The First Law of Supply and Demand

- (b) Such luxury goods are named after this American economist who coined the phrase “conspicuous consumption”.

***Answer:* Thorstein Bunde Veblen**

- (c) Give the term used to describe staple goods whose demand rise as price rises because the increase in price makes the consumer unable to afford higher-quality goods.

***Answer:* Giffen Good**

9. Name the military figure, 30-20-10.

30 After West Point, while in the Philippines, he studied the Koran and learned native dialects to pacify Muslims in western Mindanao.

20 In 1916 he led an unsuccessful expedition into Mexico in pursuit of Mexican rebel Pancho Villa.

10 Although the British and French would have preferred he use his troops as replacements for their casualties, he got an independent American Expeditionary Force which would smash the defenses of the Hindenburg line.

***Answer:* John Joseph “Blackjack” Pershing**

10. For ten points each, name the composer from a work; five if you need a better-known piece.

10 Procession of the Nobles

5 Flight of the Bumblebee

***Answer:* Nicolai Rimsky-Korsakov**

10 School for Scandal Overture

5 Adagio for Strings

***Answer:* Samuel Barber**

10 Belfagor

5 Pines of Rome

***Answer:* Ottorino Respighi**

11. FTPE, name these styles (or schools) of yoga:

- (a) The school in which students work through a demanding series of 26 postures in a heated room. It is designed to systematically work all muscles, joints, tendons, ligaments, internal organs, and glands and to encourage the release of toxins through sweating.

***Answer:* Bikram Yoga**

- (b) The most widely known school of yoga in the West. It emphasizes precise body alignment and attention to detail.

***Answer:* Iyengar Yoga**

- (c) This school focuses on the flow of postures. It is very physically demanding, it is designed to help build up stamina, flexibility, and strength.

***Answer:* Ashtanga Yoga**

12. For ten points each, answer the following questions related to cryptography.

- (a) Two proper names are often used in to represent the sender and receiver of the messages. Name both, all or nothing.
Answer: Alice and Bob
- (b) What term is used in cryptography and complexity theory to refer to a black box that is able to perform a given operation in a single step, avoiding time or computability restrictions?
Answer: Oracle
- (c) What name is given to a function that is easy to compute on any input but has the property that it is difficult to find the preimage of a given output?
Answer: A One-Way Function
13. Identify these ancient philosophers, for ten points each.
- (a) This Stoic philosopher recorded his beliefs in his work, “Meditations”, which was published posthumously. He also happened to be the emperor of Rome from 161 to 180 C.E.
Answer: Marcus Aurelius Antoninus
- (b) This pre-Socratic posited that water was the source of all things.
Answer: Thales of Miletus
- (c) This founder of the Eleatic School conceived a logical proof that change is impossible.
Answer: Parmenides of Elea
14. For ten points each, name these novels named after houses.
- (a) The first book in a children’s series by Laura Ingles Wilder, it involves Ma, Pa, Mary, Carrie, and Laura’s home in Wisconsin.
Answer: Little House in the Big Woods
- (b) This Eliot novel centers around a girl’s love for a deformed man and ends with a pair of siblings drowning near the titular location.
Answer: Mill on the Floss
- (c) The protagonist of this Stendal work is inspired by Napoleon and heads to Waterloo, and most of the novel is boring intrigue; the titular location only appears at the novel’s end.
Answer: Charterhouse of Parma; accept La chartreuse de Parme
15. For ten points each, name each number from clues.
- (a) The expression for its value uses Knuth’s “arrow notation”, and is recursive, as the number is far too big to be written down. It is also referred to as g_64 .
Answer: Graham’s Number
- (b) Approximately 0.577, it is the limit as n approaches infinity of the difference between the n^{th} harmonic sum and the natural logarithm of n . Two answers accepted.
Answer: Euler’s Gamma Constant or Euler-Mascheroni
- (c) It is the limit of the infinite alternating series $1 - \frac{1}{2} + \frac{1}{3} - \frac{1}{4}$, etc., and is about 0.6931.
Answer: Natural Logarithm of 2, accept equivalents, prompt on “Log 2”
16. After the Russian Revolutions, the Bolsheviks wanted to bring the revolution to the new nation of Poland. For ten points each . . .

- (a) In an attempt to halt the invasion, this British foreign secretary suggested a new border between the two nations in 1919.
Answer: Lord George Nathaniel Curzon
- (b) After the Red offensive was halted outside of Warsaw, this treaty signed in the capital of Latvia gave Lvov to Poland.
Answer: Treaty of Riga
- (c) The border remained unchanged until this 1939 agreement divided Poland.
Answer: Molotov-Ribbentrop Pact
17. For ten points each, name the classic work of science fiction from characters (5 if you need the author).
- 10 Salvor Hardin, Hari Seldon, Crown Prince Wienis
5 Isaac Asimov
Answer: Foundation
- 10 Jill Boardman, Jubal Harshaw, Archangel Foster, Valentine Michael Smith
5 Robert A. Heinlein
Answer: Stranger in a Strange Land
- 10 Beatty, Faber, Granger, Guy Montag
5 Ray Bradbury
Answer: Fahrenheit 451
18. For ten points each, given a description of a neurotransmitter's function, name it.
- (a) This neurotransmitter, the first to be discovered, is mostly used in muscle signals. Botulin toxin suppresses its release.
Answer: Acetylcholine or ACh or 2-(acetyloxy)-N,N,N-trimethylethanaminium
- (b) This neurotransmitter is produced by mast cells and causes allergic reactions.
Answer: Histamine or 2-(4-imidazolyl)ethylamine
- (c) Lack of this neurotransmitter causes Parkinson's disease.
Answer: Dopamine or DA or 4-(2-aminoethyl)benzene-1,2-diol
19. For ten points each, given a list of an author's written works, name the author.
- (a) *The Myth of Sisyphus, The Plague*
Answer: Albert Camus
- (b) *Northern Lights, Going After Cacciato, Tomcat In Love*
Answer: Timothy O'Brien
- (c) *Demian, Narcissus and Goldmund, Siddhartha*
Answer: Hermann Hesse
20. Shakespeare's women love disguises where they get to wear pants. For ten points each, name these female characters from the names they assumed as men, five points if you need the play.

- 10 Cesario
5 Twelfth Night
***Answer:* Viola**
- 10 Balthazar
5 The Merchant of Venice
***Answer:* Portia**
- 10 Fidele
5 Cymbeline
***Answer:* Imogen**
21. Identify these branches of earth science from clues, for ten points each:
- (a) This is the discipline that studies fresh waters, specifically lakes, ponds and rivers.
***Answer:* Limnology**
- (b) This is the field that deals with the measurement and representation of the earth, its gravitational field, and geodynamic phenomena such as polar motion and tides, in three-dimensional time varying space.
***Answer:* Geodesy or Geodetics**
- (c) What branch studies ice and the natural phenomena that involve ice?
***Answer:* Glaciology**
22. Answer the following about geographical extremes, for the stated number of points:
- (a) For 5, the northernmost point on land is Kaffeklubben, or Coffee Club Island, at the northeastern tip of this giant island.
***Answer:* Greenland**
- (b) The easternmost point, according to the path of the International Date Line, is this Kiribati [keyr-EE-bahs] island that changed its name about five years ago.
***Answer:* Caroline Island or Millennium Island**
- (c) The peak of this extinct volcano of Ecuador marks the point on the Earth's surface farthest away from the center.
***Answer:* Mount Chimborazo**