

**Technophobia 4: Massive Quizbowl Overdose****Tossups by Stanford A (Jeremy Horwitz, Elliot Mandel, Kenny Easwaran, and Alan Taber)**

1. Dialing 555-2368 won't do much these days, but in 1984 *and* 1989 it would probably connect you to Janine. If Janine didn't answer, you might get Winston, Ray, Peter, or Egon (read: EE-gon). For 10 points, name this tale of three parapsychology professors with a great startup idea, starring Harold Ramis, Dan Aykroyd, and Bill Murray.

answer: **Ghostbusters** (also accept **Ghostbusters II**)

2. It was first hypothesized in 1786 by Sir William Jones. Following much work in the 19th century by linguists such as Ramos Rosk, August Schleicher, and the brothers Grimm, who all compared Germanic languages with various other related languages, Franz Bopp published the first grammar of this dead language. For 10 points, name this language, hypothesized to be the ancestor of Greek, Latin, Old Slavic Gothic, German, Persian, Sanskrit, and various other languages spoken throughout a large part of the world today.

answer: Proto-**Indo-European**

3. The Jordan-Hölder program took more than 100 years to catalog all finite simple ones of these. All finitely-generated ones are isomorphic to the direct product of copies of  $Z$  and groups of the form  $Z_i$  (read:  $Z$  sub  $i$ ). The center of any group is an example of one of these, while  $n \times n$  (read:  $n$  by  $n$ ) matrices equipped with multiplication is not. For 10 points, name this algebraic structure, the best-known example of which is the integers equipped with addition.

answer: **Abelian group** (also accept **commutative group**)

4. Start with benzene and methanol. Remove a water molecule from the group to form toluene. Add nitric acid and sulfuric acid. Heat. The resulting compound made modern warfare possible by making a stable high explosive. For 10 points, name this product frequently purchased from Acme Corporation by Wile E. Coyote.

answer: **trinitrotoluene** or **TNT**

5. The element named after her was first discovered in 1801 by Charles Hatchett, and has atomic number 41. The daughter of Tantalus, she and her children suffered the wrath of the gods after she boasted that she was more fertile than Leta, who had borne only Apollo and Artemis. For 10 points, name this prototype of the bereaved mother, who wept when all of her children were killed.

answer: **Niobe**

6. This nation's flag contains two red right triangles in the lower corners, a white triangle at the bottom, a blue trapezoid in the middle, and the upper half of the sun on a black trapezoid at the top. Located at the southern end of the Leeward Islands, less than fifty miles northeast of Montserrat, its official language is English, though the population is primarily of African descent. Although the island of Redondo is also included, the nation's name consists of the two primary islands, one of which was formerly known as Dulcina. For 10 points, name this nation, whose largest island contains the capital, St. John.

13. Dizzy Dean in 1934. Stan Musial in 1943, '46, and '48. Jackie Robinson in 1949. Pete Rose in 1973; Barry Bonds in 1990, '92, and '93. For a quick 10 points, what do these men have in common with Larry Walker and, most recently, Sammy Sosa?

answer: National League MVPs

14. In response to the events of the Prague Spring, the party secretary of the Soviet Union declared that the Soviet Union had the right to intervene in the internal affairs of any Communist nation. When Gorbachev explicitly repudiated this in 1989, the Iron Curtain rusted away. For 10 points, name this eponymous doctrine of the Soviet party secretary from 1964 to 1982.

answer: Brezhnev doctrine

15. Founded as the town of Vindobona, it occupies a strategic point between two mountain ranges on a long river that runs through many of the important cities of Europe. Though it is home to OPEC today, it has had troubled history with Islamic nations, since it was the site of the farthest advance of the Ottoman empire when it was besieged in 1529 and 1683. For 10 points, name this capital city on the Danube, the musical center of Europe from the time of Mozart and Haydn until the time of Schönberg and Webern.

answer: Vienna

16. Recorded in March and April of 1959, this landmark album featured the songs "Freddie Freeloader" and "Blue in Green," as well as jazz magnates in their own rights John Coltrane and Cannonball Adderly on saxophones and Jimmy Cobb on drums. For 10 points, name this seminal work of Miles Davis.

answer: Kind of Blue

17. In *The Spanish Prisoner*, he played an FBI agent. In *The Adventures of Ford Fairlane*, he played the former lead singer of Disco Express, who had a hit with *Booty Time*. You may know him as the titular character from *Dutch*; if not, then, for 10 points, name the man who played Al Bundy on *Married with Children*.

answer: Ed O'Neill

18. On the mound August 16, 1920 for the New York Yankees was Carl Mays. Facing him was the Cleveland Indians shortstop. With a 1 and 1 count, the pitch got away, resulting in the only death recorded as a result of a major league baseball game. For 10 points, name the Indian player who was killed by a fastball to the temple.

answer: Ray Chapman

19. Some songs often heard on the picket lines of this union were "Joe Hill's Last Will," "Scissor Bill," and "Casey Jones, a Union Scab." Famous for its concepts of "direct action" and its "free-speech fights," it was finally broken by the federal government due to its opposition to World War I. For 10 points, name this union led by Big Bill Haywood.

answer: International Workers of the World or IWW or Wobblies

20. Korobochka symbolizes a foolish ignorant provincial woman. Plyushkin epitomizes the avaricious scrooge who hoards everything whether or not he will ever use it. The main hero tries to take advantage of the small-scale provincial serf-owners with a far-fetched plan, which ridicules the entire establishment of land-ownership in nineteenth century Russia. For 10 points, name this work, whose title reflects Chichikov's attempt to purchase deceased serfs, the masterpiece of Nikolai Gogol.

answer: **Dead Souls** (accept **Mertvye Dushi**)

21. *Company*, *Sweeney Todd*, *A Little Night Music*, *Sunday in the Park with George*, *A Funny Thing Happened on the Way to the Forum*, and *Into the Woods* are all, for 10 points, musicals by what American composer and lyricist?

answer: Stephen **Sondheim**

22. Begun by the Parlement of Paris in 1649, this rebellion was named for the slingshots used by street urchins, even though it was mainly fought by the nobility in a vain effort to stem the power of Cardinal Mazarin. For 10 points, name this revolt, the last serious challenge to the supremacy of the monarchy in France until the Revolution of 1789.

answer: the **Fronde**

23. Susan Faludi, call your office! Based on the book by Chuck Palahniuk, this movie produced by Art Linson and Ross Bell, and directed by David Fincher sounds a battle cry for men to reject Madison Avenue in favor of Madison Square Garden. For 10 points, name this film starring Helena Bonham Carter, Ed Norton Jr., and Brad Pitt.

answer: **Fight Club**

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Bonuses by Stanford A: Jeremy Horwitz, Elliot Mandel, Kenny Easwaran, and Alan Taber.

1. Answer the following questions about Polish history for the stated number of points.

A. 10: The son of a wealthy Polish family, he was elected to the kingship of Poland in 1763 to replace Augustus III; all three partitions of Poland happened during his rule.

answer: Stanislaw II or Stanislaw Poniatowski

B. 5: Stanislaw Poniatowski's aspirations for the Polish throne were advanced greatly when, in 1757, he became the lover of this future Russian Empress.

answer: Catherine II or the Great

C. 5: After a long struggle, Poniatowski finally succeeded in getting this assembly of Polish nobles to adopt a constitution in 1791, only to have it defeated by the Confederation of Targowica.

answer: Sejm (prompt on "Diet")

D. 10: This general, also prominent in the American Revolutionary War, commanded the Polish forces during the 1794 rebellion leading to the third and final partition of Poland.

answer: Tadeusz Koshciuszko

2. For 10 points apiece, identify the following elusive elementary particles, none of which have actually been found.

A. This particle, which was postulated by the Scottish scientist after whom it is named in honor of his career in fundamental field work, is supposed to give mass to other particles by interacting with them. Necessary in the electroweak theory, its own mass of 10 teraelectron volts makes it a bit too heavy for detection just yet.

answer: Higgs particle (or Higgs boson)

B. One attempt to explain the composition of dark matter involves these particles, which can only interact with other matter through gravitational and weak nuclear forces. Their derogatory acronym does not suggest an abundance of physical prowess.

answer: weakly interacting massive particles (or WIMPs)

C. Contrary to popular belief, relativity does allow for the existence of these particles which could only exist above the speed of light and would travel ever faster as they lost energy.

answer: tachyons

3. For 10 points each, name the following Beethoven overtures:

A. This overture in C minor was composed for a German language production of a Shakespeare tragedy about a Roman hero.

answer: Coriolan or Coriolanus Overture

B. This overture was written in 1810 for a Goethe tragedy about a Flemish general.

answer: Egmont Overture

C. This series of three overtures was written for his only opera, as he was continually unsatisfied with them. Eventually, they were replaced by the overture that shares its name with the opera, but the third one is still traditionally played before the third act.

answer: Leonore Overtures (I, II, and III)

4. Sometimes the boom in the night is your militiaman neighbor's weapons lab blowing up.

A. For 10 points, all or nothing, name the three ingredients used to make black powder the way great-great grandpa did.

answer: saltpeter (or potassium nitrate), sulfur, and charcoal (in any order)

For 5 points for 1, 10 for 2, and 20 points for all 3 correct within 5% each, give the proper proportions of saltpeter, sulfur, and charcoal to make black powder.

answer: saltpeter: 75% (70-80%), sulfur: 10% (5-15%), charcoal: 15% (10-20%)

5. Identify the poets from lines for 10 points, or for 5 points if you need names of some works.

A. 10: Oh, East is East and West is West, and never the twain shall meet,  
Till Earth and Sky stand presently at God's great Judgement Seat.

5: "The Ballad of East and West," "Mandalay," "Tommy," and "Danny Deever"

answer: Rudyard Kipling

10: Where palsy shakes a few, sad, last gray hairs  
Where youth grows pale, and spectre-thin, and dies;  
Where but to think is to be full of sorrow.

5: These lines are from "Ode to a Nightingale"

answer: John Keats

C. 10: Leaving, as the moon behind the winter leaves,  
Memory by memory the mind---  
A poem should be motionless in time  
As the moon climbs.

5: "Ars Poetica," "An Eternity," and "Two Poems from the War"

answer: Archibald Macleish

6. Answer the following related questions for the stated number of points:

A. 5: The movie based on this play, depicting a bitter rivalry in late eighteenth century Vienna, won best picture in 1984.

answer: Amadeus

B. 10: Who wrote the play *Amadeus*?

answer: Peter Shaffer

C. 15: What other play by Peter Shaffer features a psychologist who seeks to understand why a teenage boy blinded six farm animals around whom he had formed a cult?

answer: Equus

7. Identify the following participants in the Constitutional Convention based on brief descriptions for 10 points each:

A. With Roger Sherman, he was the co-author of the Connecticut compromise. He later became the third Chief Justice of the United States.

answer: Oliver Ellsworth

B. A former governor of South Carolina, he was one of the principal speakers for the Southern states and for the protection of slavery. At the same time, he believed in a strong central government and, as head of the Committee on Detail, inserted the Necessary and Proper Clause into the Constitution.

answer: John Rutledge

C. A strong believer in individual liberties, he opposed slavery and the continuation of the slave trade. The declaration of inalienable rights in his draft of the Virginia state constitution influenced Jefferson's Declaration of Independence.

answer: George Mason

8. Sometimes, you just have to get ready to meet your Maker, or the God of the Underworld, depending. For 10 points each, given the culture, name the deity of the dead in that culture's pantheon.

A. Egypt

answer: Osiris



answer: Antigua and Barbuda (do not accept or prompt on partial answer)

7. From his early days at the University of Hannover in 1901, he was interested in wing theory. The publication of his boundary layer theory in 1904 clarified many of the assumptions used in aerodynamics and hydrodynamics. Known for his collaboration with Glauert on subsonic flow and Meyer on supersonic expansion waves, for 10 points, name this man, sometimes called the father of modern aerodynamics.

answer: Ludwig Prandtl

8. In violation of the Letters of Majesty written by Emperor Rudolph II in 1609, the imperial regents William Slavata and Jaroslav Matrinic ordered the closure of Protestant chapels being constructed in the towns of Broumov and Hrob. As a result, a council of Protestants met in Hradcany and on May 23, 1618, found them guilty and administered punishment on the spot. For 10 points, name this punishment, which, though physically harmless, led to the beginning of the Bohemian revolt and the Thirty Years War.

answer: defenestration of Prague

9. Winner of a Navy RFP in 1938, this Chance Vought design entered operation evaluation in June of 1942. Quickly gaining a reputation as an "Ensign Eliminator" due to its long nose and stiff landing gear, it was deemed unsuitable for carrier operations and given to the Marines for use off of land bases. For 10 points, name this American fighter plane of World War II, instantly recognizable by its bent gull wings, which takes its name from Barbary privateers.

answer: F4U Corsair (either is acceptable, as is both. F4F is NOT acceptable, as it refers to the F4F Grumman Wildcat). Prompt on F4.

10. "Will you walk a little faster?" said a whiting to a snail, "there's a porpoise close behind us, and he's treading on my tail." The performance of the dance associated with this song requires a crustacean for a partner, who must be thrown out to sea and retrieved again at the end of the first figure. For 10 points, what is this dance and song, performed jointly by the Mock Turtle and the Gryphon in Lewis Carroll's *Alice's Adventures in Wonderland*?

answer: The lobster quadrille

11. Richard Belzer in *Species II* and Alan Alda in *Canadian Bacon*. Tiny Lister in *The Fifth Element* and Bill Pullman in *Independence Day*. No, they're not all Canadian, but they do play the same role as Jack Nicholson in *Mars Attacks!* For 10 points, name this role played by Harrison Ford in *Air Force One* and Michael Douglas in *The American President*.

answer: President of the United States

12. This extremely prolific mathematician was stubbornly Catholic, and refused to take oaths of loyalty required by the French government. A religious bigot, his refusal to read papers by Galois (read: Gal-wah) caused Galois' work to languish in obscurity for decades. For 10 points, name the mathematician who introduced modern rigor, whose name is associated with an integral formula and a type of convergent sequence, as well as with a pair of equations with Riemann and an inequality with Schwarz.

answer: Augustin-Louis Cauchy

B. Norse

answer: Hel

C. Celtic

answer: Bran

9. Name the artist from clues 30-20-10

A. They perform the theme to TV's *Spin City*

B. Lead singer Chris Barron recently lost his voice--he expects to never sing again.

C. Their debut album *Pocketful of Kryptonite* included the hits *Two Princes* and *Little Miss Can't Be Wrong*.

answer: The Spin Doctors

10.

Your bonus.

A. This American author of popular historical biographies, such as *Lust for Life* and *The Agony and the Ecstasy*, was also the founder of the Academy of American Poets. First, name him for 5 points.

answer: Irving Stone

Now, for 5 points each, identify the subjects of these biographies by Irving Stone:

B. *Lust for Life*

answer: Vincent Van Gogh

C. *The Agony and the Ecstasy*

answer: Michelangelo Buonarroti (accept either)

D. *Sailor on Horseback*

answer: Jack London

E. *Love is Eternal*

answer: Mary Todd and Abraham Lincoln

F. *The Origin*



answer: Charles **Darwin**

11. For 10 points each, answer questions about these events, all of which happened tomorrow, November 14.

A. On November 14, 1792, he became the first Englishman to enter San Francisco Bay. He also explored the coast of what are now British Columbia, Washington and Oregon, and named Puget Sound.

answer: Captain George **Vancouver**

B. On November 14, 1834, this future Scottish mathematician and physicist entered the University of Glasgow at the ripe old age of 10 years and 4 months. His contributions range from serving as a scientific consultant at the laying of the first Transatlantic Cable to seminal work on hydrodynamics and thermodynamics.

answer: William **Thomson** (accept Lord **Kelvin**)

C. On November 14, 1940, German air raids destroyed large portions of this city in the West Midlands of England, including most of St. Michael's Cathedral. Sometime in the 11th century, Lady Godiva rode through the town naked.

answer: **Coventry**

12. Martyrdom was big well before Cassie Bernall. Given a mode of death, name the apostle who died that way for 10 points each.

A. Crucified head down

answer: Simon **Peter**

B. Thrown from the pinnacle of the temple, then beaten to death

answer: **James the Just** or **James the Lesser** (prompt on "James" alone.)

C. Killed by spear thrust in India

answer: **Matthew**

13. Identify the following Arctic seas for 10 points apiece.

A. The rivers Yenisey and Ob both flow into this sea, located off Western Siberia between the islands of Novaya Zemlya, Franz Josef Land and Severnaya Zemlya.

answer: **Kara** Sea (accept 'Karskoe more')

B. Located east of the Kara Sea and west of the East Siberian Sea, this body of water is named after two Russian brothers who mapped its shores during the 1730s.

answer: **Laptev** Sea (accept 'more Laptevyh')

C. Finally, this sea is connected to the Baffin Bay by the Robeson Channel and is located almost directly north of Greenland.

answer: **Lincoln** Sea

14. Name the common number from science 30-20-10-5

A. Kenneth Appel and Wolfgang Haken's most famous result discusses a property of this number

B. The number of elements in the smallest non-commutative group

C. The number of equations in Maxwell's equations

D. The number of sides of a rhomboid

answer: **4**

15. Name the common date (month and day) from clues 30-20-10-5

A. Martin Luther posted the 95 Theses on the door of the Wittenberg Palace church in 1517.

B. Harry Houdini died on Detroit of gangrene and peritonitis resulting from a ruptured appendix in 1926.

C. Indira Gandhi was assassinated on this date in 1984.

D. Strangely enough, the first movie featuring Michael Myers was released on October 17<sup>th</sup>, not on this date.

E. Zero point clue: This year, Halloween fell on this date.

answer: **October 31<sup>st</sup>** (accept **Halloween**)

16. Name the Top-40 song from a lyric and year for 10 points, or, if you need the band's name, you'll get 5 points.

A. 10: "She only plays one night stands" (1965)

5: The Beatles

answer: **Day Tripper**

B. 10: "She only drinks coffee at midnight" (1998)

5: Train

answer: Meet Virginia

C. 10: "She only sleeps when it's raining" (1996)

5: Matchbox 20

answer: 3 AM

17. Identify the following types of numbers for the stated number of points:

A. 5: The numbers used to describe a position in a list, starting with the natural numbers and continuing with omega, omega plus one, and many others.

answer: ordinal numbers (or ordinals)

B. 5: The numbers used to describe the size of a set, starting with the natural numbers and continuing with aleph zero, aleph 1, and then infinitely many more alephs whose subscripts are the ordinals.

answer: cardinal numbers (or cardinals)

C. 10: These numbers invented by William Rowan Hamilton form the only non-commutative field containing the real numbers.

answer: quaternions

D. 10: These numbers, invented by John Conway to deal with game theory, include all the real numbers, plus various infinite numbers and infinitesimally small numbers.

answer: surreal numbers (accept nimbers)

18. They say you're safer in a plane than in a car. In the case of these athlete fatalities, the point is moot.

A. First, for 10 points, name the golfer whose 600-mph Learjet crash carved a 10-foot crater into the South Dakota ground on October 25, 1999. He had been on five of the last seven Ryder Cup teams and won his second U.S. Open this year.

answer: (William) Payne Stewart

B. Next, for 20 points, name the Canadian racer who was killed October 31<sup>st</sup> in the Marlboro 500 when his car crashed into a wall. This driver was the youngest ever to win a CART event, at age 22.

answer: Greg Moore

19. Identify the Civil War battle from clues for 10 points each.

A. General Irwin McDowell commanded for the North, Generals Joe Johnston and P.T. Beauregard for the South.

answer: **First Bull Run** or **First** Battle of **Manassas**, prompt on either without "First."

B. Battlegrounds include Lookout Mountain and Missionary Ridge; the Confederate commander was Braxton Bragg.

answer: **Chattanooga**

C. 115,000 Union troops under Hooker clashed with 60,000 Rebels at sites such as Zoan Church, the Wilderness, and Gettysburg and Lee's Fords.

answer: **Chancellorsville**

20. Isn't the iMac cute?

A. For 5 points each, name the original five iMac flavors.

answer: **Strawberry**, **Tangerine**, **Lime**, **Grape**, **Blueberry** (do not accept "Pink," "Orange," etc.)

B. Now, for a final 5 points, name the unappetizing color that the new Special Edition iMac comes in.

answer: **Graphite**

21.

For 10 points each, name these straits that border on Danish islands.

A. Oslo is on this strait north of the Jutland peninsula, which borders Sweden and Norway in addition to Denmark.

answer: **Skagerrak**

B. This strait just north of Copenhagen separates the southern end of Sweden from Denmark.

answer: **Kattegat**

C. This strait separates Greenland from Iceland

answer: **Denmark** Strait

22. Name the Sylvia Plath poems from lines, for 10 points each:

A. The dew that flies  
Suicidal, at one with the drive  
Into the red

Eye, the cauldron of morning

answer: **Ariel**

B. I have done it again.  
One year in every ten  
I manage it...

Dying  
Is an art, like everything else,  
I do it exceptionally well.

answer: **Lady Lazarus**

C. Every woman adores a Fascist  
The boot in the face, the brute  
Brute heart of a brute like you.

answer: **Daddy**

23. Every sport has its goons: football has Romanowski and Wisnewski, baseball had Ty Cobb and Lenny Dykstra, but in ice hockey, you really have to be nasty to stand out from the crowd. For 10 points each, name the player who led the NHL in penalty minutes in 1998-1999, his team, and the number of penalty minutes within 5.

answer: **Rob Ray, Buffalo Sabres** (either is acceptable), **261** (256-266)