

Toss-up Questions

1. His 23-year-old son, Michael, disappeared searching for carvings in New Guinea and is believed to have been eaten. Known for his greeting, "Hi ya, fella," he invited Diego Rivera to New York. Roosevelt's assistant secretary of state, he served as New York's governor four times and sent social services and taxes sky high, one reason he was denied the 1960 nomination in favor of Nixon. Nixon beat him again in 1968, after Goldwater gave this liberal Republican the thumping he deserved in 1964. However, the last laugh was his on December 19, 1974. FTP, name this grandson of Standard Oil's founder who served as Gerald Ford's vice president.

Nelson Rockefeller

2. Embodying Florentine liberty, it also symbolizes the soul laid bare before God and Christ's triumph over death. It was the first freestanding nude created since ancient times and was done after the artist completed a study of Roman antiquities. Created between 1428 and 1432 for the Medicis, its smooth bronze contrasts with the roughness of its long hair which, with helmet and boots, is its only cover. It is an underdeveloped boy, not a god or warrior, and its smugness is very different from the look of horror on the head at its feet. FTP, name this Donatello masterpiece depicting the second king of Israel.

David

3. Peter Debye explained it mathematically in 1923. Its discovery worried scientists because most theories dealt with light as a wave, but its finder showed with quantum mechanics how it could be both. He saw wavelengths of some X-rays were slightly longer after scattering by diffraction gratings, from loss of energy. They had to be particles to bounce off electrons and lose little energy, as in his example of one billiard ball slowing when hitting another and causing the second to move. FTP, name this phenomenon which was explained as recoil radiation from the electron when the X-ray hit.

Compton Effect

4. Coffee and tea are its main exports and its national anthem is "O God of All Creation." Lake Rudolph lies in it and this country's two greatest rivers are the Tana and Galana. The Rift Valley splits its highlands into the Mau Escarpment and the Aberdane range. Almost all land is sparsely populated except the fertile southwest, home to three-quarters of the people. It has large white, Arab and South Asian minorities and its largest tribe is the Kikuyu. Its greatest port is Mombasa. FTP, name this East African country with capital at Nairobi.

Kenya

5. He carried a picture of his fiancée, Alice Pike, with him and named his boat for her, but emerged from the jungle to see a news account of her marriage to an industrialist. The illegitimate son of a Welsh butcher's daughter, he lived in an English workhouse until he sailed to New Orleans in 1859. He served as both soldier and sailor in the Civil War and then worked at the New York Herald. He

opened Buganda to missionaries and claimed the Congo for King Leopold of Belgium, while his most famous achievement happened at Ujiji in 1871. FTP, name this rescuer of Doctor Livingstone.

Sir Henry Morton Stanley

6. Arthur Koestler found a copy in his Spanish cell while awaiting execution and said it was an island of light. It says suppressing opinion is clearly wrong if the opinion is true, but also wrong if false because it implies infallibility. States that make citizens powerless and docile hurt themselves because "with small men no great thing can be accomplished." Overall, men should be allowed to do as they please so long as they do not harm others. FTP, name this book in which John Stuart Mill defines limits to state power to interfere with the title concept.

On Liberty

7. Deer mice have shorter ones than all other animals, but those of lab rats are ten times the size of human ones and never shorten appreciably, a possible result of cancer research. They have long stretches of repeats made of G- and C-rich strands which seem to be the same in all vertebrates. They serve to protect and stabilize, but lose a little length with each replication. If they are shortened too much, chromosomes will become unstable and cells will die. FTP, name these end caps of eukaryotic chromosomes composed of repeated DNA sequences.

Telomeres

8. It led to the discovery of the Bewegung response, in which imaginative healthy people and deluded madmen see moving figures. It is based on the game Klexographie, at which its inventor was so adept as a child that he was called "Klecks," meaning stain. People who detect symmetry are said to have a good grasp of reality, but modern research doesn't usually support its usefulness. It has ten sections, including three pastels and two with some red which are meant to elicit emotions. It should be followed with requests for more detailed responses about what is detected. FTP, name this test in which bilateral blots are examined for images.

Rorschach Inkblot Test

9. His eponymous window is a central pane with a round arch flanked by two square-topped windows. Trissino convinced him to adopt his famous name and got him a first commission. He reconstructed the basilica of Vicenza in 1545 and incorporated Mannerist elements into many churches, including San Giorgio Maggiore. His Four Books of Architecture described ancient monuments and were translated into many languages. He was most famous for many town houses and villas, especially a four-sided one with Ionic columns and a domed central hall. FTP, name this Italian who introduced Roman architecture to the modern world and made the Villa Rotunda.

Andrea Palladio or Andrea di Pietro

10. They built with many semi-circles and were famous for glass products, raisin wine and cous-cous. Aristotle wrote of a trade pact they signed with the Etruscans, while they also allied with the Romans and Celts and sent tribute to Alexander. Mago wrote a famous agricultural treatise, but the only preserved fragment of their language is a speech in a Latin play, as their books were plundered by the Numidians. They circumnavigated Africa and prevented Greeks from using the Straits of Hercules after they took power over the other Phoenician cities. FTP, name these African people whose chief city was destroyed after the Third Punic War.

Carthaginians

11. It was written in 24 days for a Dublin charity festival and all profits made in the composer's lifetime were donated. Its composer worked on it in a trance for 24 days with little food or sleep. He fell mortally ill during a performance and his tombstone carries its line, "I know my Redeemer liveth." Muted strings of the Pastoral Symphony depict the titular figure's birth and an overture shows a world without him. Two and a half hours long, its three parts depict prophecy, execution and resurrection. George II involuntarily stood for one section and it is now traditional to rise for its Hallelujah Chorus. FTP, name this Handel oratorio.

Messiah

12. Some have speculated that he was the Man in the Iron Mask, having faked his death and lived another 40 years in prison. First denied a Christian burial, he was secretly interred in consecrated ground on order of the king. The Comedie Francaise is traditionally known as his "House," since he authored such classic farces as his first success, The Ridiculous Snobs, and The School for Husbands. FTP, name this French dramatist who wrote The Imaginary Invalid and Tartuffe.

Moliere or Jean Baptiste Poquelin

13. Until 2000, its atoms were thought not to combine with each other or any other element and could only be trapped mechanically in cavities of other substances. The first noble gas discovered on Earth, Cavendish predicted it, but it wasn't found until 1894 when a gas remained after nitrogen and oxygen were removed from air. Mixed with nitrogen in incandescent light bulbs, its only source is the atmosphere, of which it makes up .93 percent. FTP, name this element named for its inertness whose symbol was A until the Fifties and is now Ar.

Argon

14. The U.S. didn't recognize it until 1862. In 1912, its president and 300 guards were blown to bits and another president, Jean Sam, was torn to pieces by a mob which ran through the streets showing off pieces of him. Its foreign commerce was worth as much as that of the U.S. in 1790, when it was France's only source of coffee and Europe's main source of sugar. Formerly known as Saint-Domingue, the man who led it to independence, Jean-Jacques Dessalines, was assassinated after he forced ex-slaves to work in the fields. He had earlier destroyed the French army of General Leclerc. FTP, name this Caribbean

hellhole whose fight for anarchy was first led by Toussaint L'Ouverture.  
Haiti (Accept Saint-Domingue early.)

15. It arose from a story the author heard during tea with the Archbishop of Canterbury, but modern critics think it deals with female hysteria. The young lady is given her job by a mysterious gentleman on condition that she never bother him. Her journal explains that the other servants refuse to discuss the old steward and her predecessor as governess, but she finds her charges, Miles and Flora, to be charming children. In the end, Miles dies in her arms after Peter Quint appears at the window. FTP, name this Henry James novella about evil ghosts terrorizing a manor.

The Turn of the Screw

16. He was first interred in Valladolid, in what is now a pool hall. He may have been the bastard son of Prince Viana, Ferdinand's half-brother and his grandson of the 23<sup>rd</sup> generation is now a Spanish naval officer. He was shipwrecked off Portugal and voyaged as far as Guinea and Iceland before asking King John for support. He visited Nicaragua, Jamaica and Trinidad, but was arrested and returned to Spain in chains after his third voyage. FTP, name this Genoese admiral who sailed the ocean blue in 1492.

Christopher Columbus

17. In her youth she thanked men for holding doors by kicking them in their shins. Her autobiography, *Life So Far*, came out in 2000 and her 1993 work, *The Fountain of Age*, denied that growing old was a bad experience. She divorced her husband Carl in 1969 and co-founded the National Organization for Women in 1966, later leading the campaign for Equal Rights Amendment ratification. Her most famous work came about in 1957 when she found her college classmates were as unhappy as she and claimed they were all victims of male oppression. FTP, name this author of *The Feminine Mystique*.

Betty Friedan or Betty Goldstein

18. There are more than three thousand of them, with new ones found every year and named by an international commission. Opal is not one because it has no internal organization. Coal is not one because it is a synthetic formed from organic material. They are distinguished in the field by luster, streak, hardness, cleavage, crystal structure and taste, and rocks are combinations of them. They are made of one or more elements in specific proportions; for example, all quartz has one silicon for every two oxygen atoms. FTP, name these naturally existing inorganic solids with atoms arranged systematically.

Minerals

19. They have maintained the tradition of animal sacrifice and roast seven lambs on top of Mount Gerizim every year. There are no more than 600 left and half of them live in Kiryat Luza near Nablus, their religious center. They were originally settled in depopulated land by Esarhaddon and practiced a perverted form of



Judaism. The Jews reviled them and refused their aid in rebuilding the Temple. Jesus was accused of being one and the Book of Acts shows how many later converted to Christianity. FTP, name these heretics whose most famous member helped a wounded foreign man.

Samaritans

20. Its protagonist likes to relax after a hard day by taking tranquilizers and staring at a wall screen to achieve nothinkness. The Red Beast carries his nine-man team at 100 m.p.h. to perform a duty assigned by the dictatorship after World War III. One day he meets a girl on the monorail who challenges him to read the books he destroys, leading to a career strolling through birch forests memorizing text. FTP, name this Ray Bradbury novel, the title of which is paper's flash point.

Fahrenheit 451

21. References to Aetna's eruption of 479 BC show it was written after that year, but destruction of its other sections often makes the characters' intentions inscrutable. Perhaps not even done by the purported author, it has very little action after the opening. The title character declares his only crime to be loving too much and asks the elements to pity him. He is taunted by Kratos, comforted by Oceanos and threatened by Hermes. FTP, name this Aeschylus work in which Zeus has Hephaestus chain up a naughty titan.

Prometheus Bound

22. A consequence of it is simple harmonic motion, in which a system oscillates through a midpoint with maximum displacement the same on each side, for example, an oscillating pendulum or air molecules in a soundwave. That is because the restoring force on the object is proportional to the distance from the midpoint and in the opposite direction. FTP, name this idea of a British scientist that, within the limit of elasticity, stress applied to a material is in proportion to strain, creating a change in dimension, or stretch.

Hooke's Law

23. They consisted of an army brat, professor's son, former child actor and a 5'3" English jockey. They were the "4 insane boys, aged 17-21" required by Robert Rafelson and Bert Schneider's Daily Variety ad. They slept in one huge bed, romped through haunted houses and toy factories and sang two or three songs a show, including their first single, Last Train to Clarksville. FTP, name this 1960s television quartet composed of Peter Tork, Mike Nesmith, David Jones and Mickey Dolenz.

The Monkees

24. He studied psychology under Freud and Adler and earned an unhappy living as a bank clerk until Bertolt Brecht noticed him. His weirdest role was the Japanese detective Mr. Moto, quite a stretch for an Austrian. He shared a room in Hollywood with Billy Wilder, who complained about his drug use, and made a

living at the end of his life with appearances on Disneyland and 77 Sunset Strip. Reduced to acting in The Patsy with Jerry Lewis, his nasal voice had once been heard in Casablanca and The Man Who Knew Too Much. FTP, name this naturalized American famous as the murderer in Fritz Lang's M.

Peter Lorre or Laszlo Lowenstein

#### Bonus Questions

1. Answer these questions about an author FTPE.

He had an operation to improve blood flow to his testicles, filling his last years with "lust and rage." Winner of the 1923 Nobel, this Irishman wrote On Baile's Strand and Sailing to Byzantium.

William Butler Yeats

Yeats convinced this man to return from Paris and, in On Those That Hated The Playboy of the Western World, Yeats compared this man's critics to eunuchs hating Don Juan for doing what they cannot. This writer is famous for Riders to the Sea.

John Millington Synge

This Yeats poem showed a horrible cataclysm waiting at the end of the Christian age. He asks what "rough beast slouches towards Bethlehem to be born?"

The Second Coming

2. Answer these related questions from mathematics FTPE.

This is the inverse function of taking a number to a certain power. It is used for quantities varying over large ranges, such as earthquake intensity.

Logarithm

This mathematical law refers to the improbable tendency of 1 to appear frequently in logarithms and other statistical tables, where it shows up about 30% of the time.

Benford's Law or First Digit Law or Leading Digit Phenomenon

Benford's law may be explained by this theorem. It says a set of independent random variables will usually have normal distribution.

Central Limit Theorem

3. Name these Canadian prime ministers FTPE.

He visited the Soviet city of Norilsk and lamented Canada had never built a city so far north, not realizing it was the product of slave labor. Swept away by an avalanche, he was very popular in the Sixties and gave Canada a new constitution.

Pierre Trudeau

In 1898, he said, "as the 19th century was the century of the United States, so shall the 20th century belong to Canada." The first French speaker to lead, he sent Canadians to fight in World War I.

Wilfrid Laurier

Maybe you missed the first two and that is understandable, but you can surely name the first prime minister, a Scottish-born lawyer known as "Father of

Canada.”

John A. MacDonald

Read in case of wrong answer: No? Well, who cares? It's just stupid Canada.

4. Answer these questions about a composer FTPE.

Intensely interested in the gamelan, he incorporated the Oriental pentatonic scale in his works. Influenced by both Symbolism and Impressionism, he created The Sea and Suite Bergamasque.

Claude Debussy

This Debussy work is called a prelude because it is meant to set the mood for reading of a Stephane Mallarme poem. It depicts an animal dreaming about a nymph.

The Afternoon of a Fawn or L'Après-Midi d'un Faune

Golliwogg's version of this in Debussy's Children's Corner arises from the composer's interest in American popular tunes. It was a strut done by Negro couples for prizes.

Cakewalk

5. Answer these questions about an author FTPE.

“One of the surest signs of his genius is that women dislike his books,” was Orwell's appraisal of this author of Victory, Lord Jim and Nostromo.

Joseph Conrad or Korzeniowski

This man narrates Youth and other Conrad stories, usually drinking with friends. He locates Kurtz in the Heart of Darkness.

Marlow

This Conrad short story tells of a ship's captain who shelters his murderous doppelganger, knowing that their places could easily have been reversed.

The Secret Sharer

6. Answer these related questions from economics FSNP.

5-This is the general rise in prices over a period of time.

Inflation

15-This type of inflation is the most common and results from too much money being spent on too few goods. The Vietnam War set off a bout of it.

Demand-Pull Inflation

10-Economists of this school emphasize stability of the money supply, stating that yearly increases are of the same proportions will eliminate inflation.

Monetarist

7. Jews and Bolshevism go together like peanut butter and jelly. Name these Jewish Communist leaders FSNP.

5-His guttural “r” is the key element of the Russian Jewish accent and is still a big joke with satirists. It is certain that he had a Jewish grandfather and his mother may have been a Jew, too. He served as Bolshevik leader and head of the new state.

Vladimir Ilich Ulyanov or Lenin

5-This Jew led the Red Army and nearly took control after Lenin's death. He was later driven out and killed in Mexico City.

Leon Trotsky or Lev Davidovich Bronstein

10-He signed the czar's death warrant and headed the Central Executive Committee. Lenin's right-hand man, he would have succeeded him if influenza hadn't killed him in 1919.

Yakov Sverdlov or Solomon

10-He co-edited Pravda with fellow Jew Zinoviev and was expelled from Britain. At first an ally of Stalin, he was later killed for assassinating Sergei Kirov.

Lev Kamenev or Rosenfeld

8. Answer these questions about a planet FSNP.

5-The windiest planet in the solar system, its rings were discovered in 1977 and it takes 84 years to orbit the sun. Its atmosphere is hydrogen and it is tilted 98 degrees on its axis.

Uranus

10-This strange moon of Uranus was found by Kuiper in 1948. Apparently shattered and reformed, some parts are cratered, but others are smooth or covered with huge trapezoids called "racetracks."

Miranda

15-This man, Britain's first Astronomer Royal, found Uranus long before William Herschel and called it 34 Tauri in his star catalogue.

John Flamsteed

9. Answer these questions about Chinese poets FSNP.

10-He failed the imperial exam and traveled for four years, turning the experience into "The Wanderings of My Prime." His pity for the common man's suffering is evident in "Song of the War Carts."

Du Fu or Tu Fu

5-Du Fu dedicated several works to this friend. He wrote China's best-known poem, Seeing the Moon on a Frosty Night, but is more famous for his alcoholism. He died when he tried to hug the moon's reflection in a pond and once vomited on the emperor.

Li Po or Li Bai

15-Du Fu wrote this poem after escaping from enemies and returning to the emperor. He describes joy upon seeing his family and terror felt crossing a field of bones.

The Journey North

10. 5-10-15, name the men who were the first to hold these American political offices.

5-First Secretary of the Treasury, he reorganized national finances, planned American industry and definitely earned a spot on the \$10 bill.

Alexander Hamilton

10-First Secretary of War, his greatest feats were supplying artillery at Boston and Ticonderoga. He then ballooned to 300 pounds and died when a chicken



bone lodged in his intestines.

Henry Knox

15-First Solicitor General, he cleaned up Grant's cabinet and prosecuted the Whiskey Ring. A grateful party almost nominated him for president in 1876.

Benjamin Helm Bristow

11. Answer these questions about pop music FTPE.

His top 20 hit, Mundian to Bach Ke, meaning "Beware of the Boys" in his native tongue, was an international hit three years ago. Hailing from Coventry, he got his moniker from blacks surprised to see an Indian rapper.

Panjabi MC

Beware of the Boys was originally a warning to a young girl to guard her virtue, but this American rapper changed the meaning in his remix. Known for Money Ain't a Thang, his version tells the girl how he desires "to put the snake on ya."

Jay-Z or Shawn Carter

Panjabi MC's song is the first example of this type of Indian music to be a success in America. It is a traditional rhythm with a sitar beat.

Bhangra

12. Answer these related questions from biology FTPE.

These are chemical messengers that regulate body activities and whose effects are fairly long-lasting.

Hormones

Hormones work because each has a unique shape and binds only to a specific one of these embedded in the cell membrane.

Receptor Protein

A steroid, its main function is stimulation of female sex organ development.

Alfalfa produces enough of it sterilize millions of sheep and cattle every year.

Estrogen

13. Reply to each query concerning religion FSNP.

5-They practiced brother-sister incest until 1892 and had no black priests until 1978. Organized by Joseph Smith, they claim divine authority was restituted with their founding.

Mormons

5-This man led the Mormons to Utah after Joseph Smith's death.

Brigham Young

10-This smallest Mormon scripture contains purportedly lost writings, including the Articles of Faith and the 24<sup>th</sup> Book of Matthew.

The Pearl of Great Price

10-Weirdest of the several Mormon offshoots, this group was started in Wisconsin by Smith's designated successor after he translated the "plates of Laban."

Strangites or Church of Jesus Christ

14. Name these U.S. cities FTPE.

It was the site of the world's first modern shopping mall, built in 1951. Seat of King County, its Elliott Bay location makes it the U.S. port closest to Asia.

#### Seattle

It has 1700 bridges, more than any other U.S. city. That is because it is located where the Monongahela and Allegheny form the Ohio in Pennsylvania.

#### Pittsburgh

Founded after the Civil War and now its state's biggest city, it is linked to the Gulf of Mexico by channel and overlooked by a huge statue of Vulcan.

#### Birmingham

15. 5-10-15, answer these questions about a drug.

5-A white, needle-like powder, it was created by Felix Hoffmann to ease his father's pain from rheumatism and later found useful in preventing clotting.

#### Acetylsalicylic Acid or Aspirin

10-Aside from its anti-inflammatory use, aspirin's use is as this type of drug that relieves pain. Heroin and paracetamol are also of this sort.

#### Analgesic

15-This common reaction brings about the large-scale synthesis of acetylsalicylic acid when electrochemical oxidation of salts of carboxylic acids creates dimeric products.

#### Kolbe Reaction

16. Answer these questions about a writer FTP.

Recipient of the 1946 Nobel, he spent much of his life in Switzerland and wrote of isolated, multi-faceted men in *Magister Ludi* and *Steppenwolf*.

#### Hermann Hesse

In this Hesse novel, Emil Sinclair finds all opposing forces originate in the demon Abraxas and gains the title character's wisdom.

#### Demian

Demian, Siddhartha and other Hesse works are of this common German type in which a youth struggles to maturity.

#### Bildungsroman

17. Answer these questions about God FTPE.

One proof of God's existence was developed by Aristotle and Aquinas. It says that whatever changes is pushed by another thing, hence God pushed everything else.

#### First-Mover or Unmoved Mover (Prompt on First-Cause.)

These thinkers believe God actually is the universe or has a soul-body relation to it. Spinoza was one and they believe divine power is necessarily limited.

#### Pantheists

This is the greatest philosophical threat to God's existence. It comes from the reality of sin and destructiveness of natural forces, which have been explained as both unreal and necessary for some reason.

#### Problem of Evil

18. 5-10-15, answer these questions about an architectural masterpiece.

5-This Baroque palace outside Paris was the residence of kings from 1682 to 1790.

Versailles

10-This beautiful room was the king's official audience chamber. Longest, indoor corridor in the world, Vigee Le Brun's paintings there depict Louis as Roman emperor and war chief and it overlooks gardens.

Hall of Mirrors or Galerie de Glaces

15-This principal architect of Versailles expanded the palace from a hunting lodge at Louis XIV's order. He also built the Grand Trianon and a type of roof is named for him.

Jules Hardouin Mansart

19. Name these twentieth-century Mexican leaders FTPE.

He encouraged foreign investment, honored debts and stabilized the peso to bring the Mexican economy close to the U.S. level. His attempts to introduce democracy got him deposed in 1911.

Porfirio Diaz

He expropriated on a large scale by exchanging property for worthless bonds, something Evelyn Waugh called "robbery under law" in a book by that name. He was president from 1934 to 1940.

Lazaro Cardenas

He launched the first armed raid on America since the Civil war, attacking Columbus, New Mexico because the U.S supported Carranza. He started as a bandit, but later joined Madero's revolutionaries.

Pancho Villa or Doroteo Arango

20. Name these diseases FTPE.

The World Health Organization says one-third of the world's population is infected with this bacterial disease of the lungs that is spread by airborne droplets.

Tuberculosis

This disease is almost non-existent in America, but is seen in Third World children deprived of protein. It brings a protruding belly, mental and physical retardation and its characteristic thin, red hair.

Kwashiorkor or Protein Malnutrition

The U. S. has about 6,000 cases of this. Most sufferers are in Louisiana and Texas and new cases are usually immigrants. It is a chronic disease in which skin, nerves, eyes and respiratory tract are destroyed by lesions and gangrene.

Leprosy or Hansen's Disease

21. 30-20-10, name the artist from works.

30-Dead Christ and the Angels, At the House of Father Lathuille

20-Absinthe Drinker, The Fifer

10-Olympia, Bar at the Folies Bergere

Edouard Manet

22. 10-10-5-5, name the following birds.

10-The only bird ever found to have blue and green pigments in its feathers, the red-crested variety is known as a "plantain-eater."

Turaco

10-This orange and black hooded New Guinea bird is the only one known to be poisonous. Its neurotoxin is identical to that of the poison dart frogs.

Hooded Pitohui

5-At thirteen feet, its wingspan is the largest of any bird. It feeds mostly on carrion and has a large pouch in its neck that doesn't carry babies.

Marabou Stork

5-Once worshipped as Thoth, it has a long, curved beak for poking in mud. This white bird lives in large colonies in Africa.

Sacred Ibis