

2003 MASER

Round 14

Toss-up Questions

1. His message in *The Kind Keeper* that having mistresses is a "crying shame" made it very badly received. His *Spanish Fryar* attacked both England's ancient enemy and Catholicism and *Religio Laici* was an exposition of the Protestant creed. His *Heroic Stanzas* commemorate the death of Oliver Cromwell, while his *Astraea Redux* celebrates the restoration of Charles II. FTP, name this English poet laureate who is known for Pindaric odes such as *Alexander's Feast* and for his long poem on the Dutch War, *Annus Mirabilis*.

John Dryden

2. Allowed by Einstein's results, their creation requires only the use of "exotic matter" with negative energy that is thought to arise when quantum fluctuations in vacuum are suppressed. Perhaps appearing spontaneously right now on a minute scale, Stephen Hawking says they are useless because even a single particle brings their destabilization, but we may be able to peer through them into other universes. FTP, name these theoretical shortcuts from one area of space-time to another, one of which is now inhabited by Captain Sisko.

Wormholes

3. His odd taste was cultivated by his father, who let him listen only to offbeat compositions that customers didn't want, and he paid tribute to Columbus with 1992's *The Voyage*. He studied with Milhaud (Mee-yo) and transcribed the music of Ravi Shankar, starting an Indian fascination which led to his *Satyagraha*. His recent operas include *In the Penal Colony*, based on the Kafka short story, as well as *Galileo Galilei*. FTP, name this composer famous for helping to popularize minimalist music with his opera *Einstein on the Beach*.

Philip Glass

4. Legend has it that its eponymous economist first wrote it on a napkin in a Washington, D.C. bar in 1974. Its validity was tested during the 1980s with the large-scale tax cuts of the Reagan and Thatcher governments. It claims that if income is taxed above a certain point, productivity and the entrepreneurial spirit will decline, causing a decrease in government revenue. FTP, name this curve that states that, in certain circumstances, a tax cut will, in fact, increase revenue. Laffer Curve (Accept equivalents i.e. Laffer Graph, Diagram, etc.)

5. A stack of oil drums in Cologne was his first exhibition and his famous "store fronts" were made after he moved to New York in 1964. Once featured on the *Simpsons*, his *Wrapped Reichstag*, *Valley Curtain* and other large-scale works are attempts to ignite the imagination of entire communities. FTP, name this Bulgarian creator of *Surrounded Islands* whose most famous work was fabric strung across 24 miles of Northern California, the *Running Fence*.

Christo Vladimirov Javacheff

6. Early in this novel, the protagonist travels to Johannesburg under the impression that his sister is gravely ill, only to discover that she has become a

prostitute. While in Johannesburg, he discovers that his son, Absalom, and nephew, Matthew, have been involved in the killing of a white social reformer named Arthur Jarvis. At the end, John is hanged for the crime while Stephen reconciles with the victim's father. These events happen to Stephen Kumalo in, FTP, this most famous work of Alan Paton.

Cry, the Beloved Country

7. Its very high force ratio is found by dividing  $F_2$  by  $F_1$ , but friction acts to keep the efficiency of its systems extremely low. Its distance ratio is two times  $\pi$  times its radius all divided by the angle between its thread and a plane at right angles to its barrel. Apollonius of Perga laid its mathematical foundations and it is a modified wedge that transfers motion and force to a small area. FTP, name this simple machine similar to the inclined plane that is used in conjunction with a driver.

Screw

8. The Audita Tremenda started this and divided the indulgences into two categories. Called by Gregory VIII and wrecked by Byzantine perfidy, it was precipitated by a holy city's loss after the battle of Hattin, an event which caused Urban III to die of shock. The Seljuk capital and Acre were both conquered, but it resulted only in agreement to allow Christian pilgrims into Jerusalem. FTP, name this crusade against Saladin which was led by Richard the Lion-Hearted and saw the death of Frederick Barbarossa.

Third Crusade

9. Its indigenous Ona, Alakaluf, and Yahgan peoples were killed off by diseases introduced by European immigrants. The Andes Mountains extend through its western part while the plateau of Patagonia extends into its eastern section. The eastern portion belongs to Argentina while the western portion is part of Chile's Magallenas Province. FTP, name this archipelago that is separated from the mainland of South America by the Straits of Magellan.

Tierra Del Fuego

10. Their group was founded by Antisthenes, a student of Socrates who believed that happiness could be achieved by shunning conventions, separating oneself from society and living in poverty. Unlike Socrates, they believed virtue was not the highest good but the only good. FTP, identify this group of philosophers, the most famous of whom was Diogenes, who was known for traveling through the daylight with a lantern in search of an honest man.

Cynics

11. It causes inbreeding depression by lowering the number of superior heterozygotes. It is displayed by Huntington's disease and congenital elevated cholesterol levels, but most human genetic disorders are not products of it. Only meaningful for diploid cells, its incomplete version produces a heterozygous phenotype that is intermediate in appearance. FTP, name this condition

represented with capital letters in which genes express themselves regardless of what other gene is at the same locus.

Dominance or something similar

12. He refused to annex Texas and a bank panic his second year in office forced him to sell even tools used on government projects. One of Andrew Jackson's chief allies during the Peggy Eaton affair, his 1831 resignation as Secretary of State prompted other cabinet members to do the same and allowed enemies to be purged from the government. A native Dutch speaker, he organized the Albany Regency early in his career. FTP, name this "Little Magician" who became President in 1836.

Martin van Buren

13. In this book, the Canaanite General Sisera is killed in his tent by Jael when Jael drives a tent peg into Sisera's temple. One of this book's title characters, the son of a prostitute, sacrifices his daughter under God's approving eye in order to gain victory over the followers of the gods of Moab, Sidon, and Philistia. Jepthah, Gideon, Deborah, and Samson are among, FTP, what warrior rulers, the namesakes of the seventh book of the Bible?

Judges

14. His brother, Josef, died at the Bergen-Belsen concentration camp and it was Josef who actually coined this author's famous neologism. An ardent democrat, his tract Why I am Not a Communist was suppressed after World War II and he was a friend and biographer of Czech President Tomas Masaryk. His masterpiece is a tale of amphibian slaves who rise against their human oppressors, War With the Newts. FTP, name the Czech writer of 1920's Rossum's Universal Robots.

Karel Capek

15. While attending Bentley College in Waltham, Massachusetts, he debated his native country's president, William Tolbert. When Samuel Doe came to power, this man became the head of the General Services Agency before being forced to flee to the United States for embezzling more than \$900,000 in government funds to a Citibank account. A lay Baptist preacher who is under a United Nations war crimes indictment, FTP, name the man who led guerilla war against Doe before becoming President of Liberia in 1997, a post he resigned in 2003 under pressure from the United States.

Charles Taylor

16. Its story was recounted by John Zephaniah Holwell, who later rose to governorship of the province in which it was located. It was a chamber in Fort William and its site is now used as a post office. Its guards refused bribes of 2,000 rupees from prisoners out of fear of angering the Nawab of Bengal, but did provide very limited amounts of water between the bars. Twenty-six people emerged alive the next morning. FTP, name this 22 by 18 foot room for

confinement of two men that held 146 British men and women on June 20, 1756.  
The Black Hole of Calcutta

17. His Persian Letters satirized French institutions by supposedly chronicling observations of foreign travelers. His political philosophy was centered on the idea that nations' political systems were greatly determined by a country's climate and geographic circumstances. FTP, name this French political philosopher who stressed the importance of separation of powers in any government in his most famous work, The Spirit of the Laws.  
Charles Louis de Secondat, Baron de Montesquieu

18. It occurs for solids and liquids only when their emitted vapors react and its process is a series of free-radical reactions. An explosion results when its rate is only limited by molecular speed of movement. Able to happen spontaneously for materials with low ignition temperatures, its failure is responsible for a candle's light because only unburned particles glow from heat it produces. FTP, name this reaction with oxygen that produces light and heat.  
Combustion

19. He grew up in a thatched farmhouse named Mossbawn, a place that appears frequently in his poetry. He objected to his inclusion in the 1982 Penguin Book of Contemporary British poetry by writing the lines: "Be advised, my passport's green/ No glass of ours was ever raised / To toast the Queen." Known for Bog Poems such as Tollun Man, FTP name this Irish Nobel, perhaps most famous for his collection Death of a Naturalist and a translation of Beowulf.  
Seamus Heaney

20. This word was used by William Dampier in his 1699 work New Voyage Round the World to describe the frames of sticks that European explorers slept on in order to avoid snake bites. It is more commonly applied in a different context and some believe that the Spanish borrowed the word from the language of the Arawak Indians, who used this term to describe erecting a frame of sticks over a fire to dry meat. FTP, identify this culinary term that some believe is derived from a French phrase meaning "from beard to tail", referring to the idea that an entire pig is being roasted.  
Barbeque

21. The first one began when the parlement rejected a plan to raise money that was proposed by Anne of Austria and her advisor. Its leaders included Frederic Bouillon and Paul de Gondi and it was settled by a peace at Reuil after troops returned from foreign wars to crush it. The New one saw Cardinal Mazarin release the Prince de Conde from prison and flee from his wrath, but the noblemen's eventual defeat ended the last resistance against the French monarchy. FTP, name these revolts against young Louis XIV, called after the French word for sling-shot.



## Fronde

22. A typical work of this genre is the Fyodor Gladkov novel Cement, a work that examines enforced equality of the sexes in a Russian factory of the 1920s. One of its chief proponents was Leningrad party boss Andrei Zhdanov, who saw to it that artists in the U.S.S.R. conformed to Stalin's goal of making artists the "engineers of the soul". Known for stifling artistic innovation, FTP, name this official literary and artistic doctrine of the Soviet Union that sought to paint an optimistic picture of life in the Soviet Union.

### Socialist Realism

23. Though its true perpetrators were probably never caught, it cast a pall on organized labor and is cited as the death knell of the Knights of Labor. Governor John Altgeld eventually pardoned 3 anarchists convicted of involvement, but not before five others died by hanging and suicide. FTP, name this Chicago massacre that occurred when someone threw a bomb into a crowd of 1500 protesters and policemen at a McCormick Harvester plant.

### Haymarket Square Massacre

24. Radio waves display it when emitted, so antennas not aligned correctly won't receive them. It can happen to light that is reflected or passing through certain materials and such light will be completely absorbed if it hits a second such material that works at right angles. The elliptical sort is made when two radiations travel out of phase by 90 degrees and parallel oscillations create the plane variety, which is the simplest. FTP, name this phenomenon that is the restriction of a transverse wave's vibrations.

### Polarization

## Bonus Questions

1. The United States has a history of supporting some not-so-great foreign leaders in order to bolster its position in foreign affairs. Identify two of them FTPE.

Cori Aquino's People Power movement removed this corrupt Filipino leader from power and forced him to flee to Hawaii. His wife Imelda is famous for her massive collection of shoes, which she claimed was made up of 1,060 pairs.

### Ferdinand Marcos

Removed from power by Fidel Castro, this U.S.-backed leader of Cuba was known for his suppression of political dissidents and fled to the Dominican Republic after a rigged election failed to bolster support.

### Fulgencio Batista

For another 10, name this much maligned Latin American ally.

He brought order and prosperity to Chile after toppling the socialist dictatorship of Salvador Allende. Though he stopped a famine and prevented the Communist Hell of a second Cuba, this hero has spent his sunset years avoiding persecution by Euro-fools.

Augusto Pinochet

2. Identify the following classic films given some lines FTPE.

So long as the Arabs fight tribe against tribe, so long will they be a little people, a silly people, greedy, barbarous, and cruel, as you are.

Lawrence of Arabia

Major Strasser has been shot. Round up the usual suspects.

Casablanca

I would like at this moment to announce that I will be retiring from this program in two weeks time because of poor ratings. Since this show is the only thing I had going for me in my life, I've decided to kill myself. I'm going to blow my brains out right on this program a week from today. So tune in next Tuesday. That should give the public relations people a week to promote the show. You ought to get a hell of a rating out of that. Fifty share, easy.

Network

3. Given founders, identify the Christian denominations FFPE with a five point bonus for all correct:

John Wesley

Methodism

John Knox

Presbyterianism

George Fox

Society of Friends (Accept Quakers.)

Mary Baker Eddy

Christian Science or The Church of Christ, Scientist

Conrad Grebel

Baptist Church or Anabaptists

4. Given descriptions of the demise of their last communist leaders, name the Eastern European counties FTPE.

Erich Honecker came to trial in 1992 for crimes he committed during the Cold War, but was released for health reasons. Honecker moved to Chile and died there in 1994.

East Germany or German Democratic Republic

Nicolae Ceauescu (Chow chess koo) and his wife Elena were both given a trial in the streets and shot in 1989.

Romania

Janos Kadar was known for his relatively liberal rule of his country, but widespread resentment against Kadar lingered until his 1988 ouster due to his decision to execute Imre Nagy in 1958.

Hungary

5. Answer these questions about the science of taste FSNP.

5-All medicines have this taste if not artificially flavored because they are all poisonous and this taste creates an aversive response.

#### Bitterness

5-Taste receptor cells lack these projections that carry impulses from the soma, instead relaying information onto fibers that branch from cranial nerves.

#### Axons

10-Only discovered in 1909, this ability to taste aspartate, glutamate and similar amino acids is probably enhanced by MSG. Bacon and other savory meats stimulate it.

#### Unami

10-The receptors for sweet flavor detect this part of sugars. It is an oxygen and hydrogen group incorporated into an organic molecule.

#### Hydroxyl Group or -OH Group

6. Identify the following baseball personalities whose names are associated with mediocrity FSNOP.

5-His five-year career with the Braves, Cardinals and Phillies produced an even .200 batting average. The current play-by-play man for the Brewers, his namesake cheap seats go for \$1 at Miller Park.

#### Bob Uecker

10-This former Pittsburgh and Rangers shortstop's name is associated with the imaginary line that divides those batting at or below the .215 mark, a term believed coined by George Brett.

#### Mario Mendoza

15-This New York Giants first baseman's name will forever be associated with his namesake "Boner" in the 1908 World Series against the Chicago Cubs. As runner on first, he forgot to tag second base after what would have been the game winning hit.

#### Fred Merkle

7. Answer these questions about a person FTPE.

This poet's father, Thomas Dudley, and her husband Simon both became governors of Massachusetts colony.

#### Anne Bradstreet

Name Anne Bradstreet's first and most famous volume of poetry.

#### The Tenth Muse Lately Sprung up in America

Name this modern American poet who wrote Homage to Mistress Bradstreet.

#### John Berryman

8. Answer the following about a 20<sup>th</sup> century art movement F15PE.

This movement was a reaction against the serious nature of abstract expressionism. It attempted to reconcile artists and laypeople by creating art in the style of comic strips, advertising, and film.

#### Pop Art

This artist was famous for incorporating comic book imagery into his Ben-Day dot paintings, as exemplified by his famous Whaam! painting of a dogfight.

Roy Lichtenstein

9. Answer these questions about cat biology FSNP.

5-Housecats exhibit this by retaining many immature behaviors in adulthood; for example, grown cats tread on laps as kittens tread on nipples to bring milk.

Neoteny

5-One theory of cat purring says increased blood flow through veins to the heart causes this state of agitated fluid motion, with noise amplified by the diaphragm.

Turbulence

10-A cat's tongue rasps because backward-pointing conical types of these are its most common, although it also has flattened, fungiform and circumvallate ones.

Papillae (Do not accept taste buds because they are on the papillae.)

10-Hairless cats and orange tabbies are created by these. They are a set of several genes that together influence a phenotype, but have few individual effects.

Polygenes

10. Answer the following about kings of France

He lost most of France's overseas possessions by 1763. The Duke of Bourbon ruled while he dallied with Madame de Pompadour.

Louis XV

One of the very few who served the government before, during and after the French Revolution, he represented France at the Congress of Vienna and had the Bourbon Louis XVIII put on the throne.

Charles Maurice de Talleyrand

He issued the Edict of Nantes in 1610 to serve as a compromise between Catholic and Huguenot factions in France until Richelieu revoked it.

Henry IV

11. Answer the following questions about Indian literature FTPE.

Creator of Gitanjali, this winner of the 1913 Nobel Prize wrote Janaganamana, which was adopted as the Indian National Anthem, and founded the Santiniketan, a university devoted to unity and social reform.

Sir Rabindranath Tagore

This Indian-born British novelist wrote the novel The Satanic Verses, which prompted the Ayatollah Khomeini to issue a death warrant for blasphemy.

Salman Rushdie

This Salman Rushdie novel featured a group of children who possessed magical powers. Their common thread was that they were all born in the first hour of August 15, 1947, when India became independent.

Midnight's Children



12. Name these related terms from organic chemistry FTPE.

Foods made with these are usually solid at room temperature and they are named for the single bonds joining their carbons to prevent additional bonding.

Saturated Fats

Saturated fats are composed of a fatty acid and a glycerol type of this sort of compound. It has formula  $\text{RCO}_2\text{R}'$  and is made from an alcohol and an acid.

Ester

This process changes unsaturated fats to saturated ones by raising melting point to create a solid.

Hydrogenation or Hardening

13. Identify the following landmark Supreme Court decisions given some clues FTPE.

Lawrence v. Texas overruled this case over the summer. It said that a Georgia sodomy law did not violate the fundamental rights of homosexuals.

Bowers v. Hardwick

The Supreme Court held that a New York law limiting the number of work hours for bakers violated the 14th Amendment by unconstitutionally infringing on freedom to make contracts.

Lochner v. New York

In this 1963 case, the Supreme Court ruled that Florida's failure to provide counsel for a defendant charged with a felony violated the due process clause of the Fourteenth Amendment.

Gideon v. Wainwright

14. Identify the following Canadian Lakes FTPE.

Located in the Northwest Territories, it is the largest lake in Canada.

Great Bear Lake

Like the Great Bear Lake, this lake is also located in the Northwest Territories and it is the deepest lake in North America. Gold was discovered on its northern shore in the 1930s and this helped make the town of Yellowknife a mining center.

Great Slave Lake

This third largest lake is a remnant of the Glacial Lake Agassiz and shares its name with the capital of Manitoba.

Lake Winnipeg

15. Name the author from works, 30-20-10.

30-A Very Old Man With Enormous Wings

20-No One Writes to the Colonel

10-One Hundred Years of Solitude

Gabriel Garcia Marquez

16. Name the SI units of these physical quantities related to electricity F5PE and another five for all correct.

(Note to moderator: Prompt on symbols.)

Electric Potential Difference

Volt

Electric Current

Ampere

Electric Conductance

Siemens

Electric Resistance

Ohm

Electric Capacitance

Farad

17. Identify the following terms from economics given a description FTPE.  
This term is attributed to the Norwegian economist Ragnar Frisch. It involves a technique of expressing economic theory through mathematical formulas and testing those formulas through statistical research.

Econometrics

This term is defined as the total value of goods and services produced in an economy over a specified period plus income earned by domestic residents through foreign investments minus income earned by foreign investors in the domestic market.

Gross National Product (Accept GNP)

Named after an economist, this is the term used to describe a state in which, in a non-cooperative game, neither player can benefit by unilaterally changing his strategy if the strategies of the other players remain unchanged.

Nash Equilibrium

18. Given a description, name the dramatic work, F15PE. If you don't know the play's name, but can name the playwright, you get 5.

15-History professor George and his wife Martha invite a new instructor and his wife over for a drink. They all get drunk and act dumb.

Who's Afraid of Virginia Wolfe

5-Who's Afraid of Virginia Wolfe

Edward Albee

15-Ella Downey marries the lawyer Jim Harris and then acts like a racist towards her black husband in order to feel superior.

All Gods Chillin Got Wings

5-Eugene O'Neill

19. Given a candidate and election year, name the third party for which said candidate ran for president FTPE.

Martin van Buren, 1848

Free Soil

James Birney, 1844

Liberty

William Wirt, 1832

Anti-Masonic

20. Given a line, name the following English love poems FTPE.

Gather ye Rosebuds while ye may,/ Old Time is still a-flying

To the Virgins, to Make Much of Time

Drink to me only with thine eyes,/ And I will pledge with mine

To Celia

And all that's best of dark and bright/ Meet in her aspect and eyes

She Walks in Beauty

21. Identify the following edifices FTPE.

A palace built outside Madrid by Phillip II, this massive granite complex of buildings includes the burial site of Spanish monarchs and is in the shape of a gridiron in honor of St. Lawrence.

Escorial

This St. Petersburg edifice has nearly three million works of art and is located on the bank of the Neva River. The central building is the Winter Palace, one of the world's prime examples of Baroque architecture.

Hermitage

Built between 1869 and 1886, this Bavarian castle was the most magnificent of Mad King Ludwig II. The model for the Disney Castle at Disney World, this fairy tale castle is nestled in the Alps.

Neuschwanstein Castle

22. Answer the following questions about Roman philosophy FTPE.

Developed in the 3<sup>rd</sup> century A.D., this last pagan philosophy attempted to fuse the teachings of Greek philosophers, most notably Plato, into a mystical worldview.

Neoplatonism

One of the founders of Neoplatonism, his pupil Porphyry wrote his biography and compiled his Enneads.

Plotinus

This last great Roman philosopher was minister to Theodoric, but was wrongly executed for treason. His masterwork, The Consolation of Philosophy, is often seen as a bridge between pagan and Christian thought.

Boethius

23. Answer the following about an Austrian composer.

Name the Austrian composer of the Trout Quintet and the quartet Death and the Maiden.

Franz Schubert

Franz Schubert was a prolific composer of these German songs that combined folk stories with piano accompaniment, often in the spoken singing known as Sprechstimme.

Lied or Lieder

Perhaps the most famous of Schubert's lieder was this retelling of a German folk story about a goblin who lures a child into the forest and kills him.

The Erlkonig or Elf-King

24. Identify the following particles FTPE.

It was discovered in 1937 in cosmic rays and consists of a quark and an anti-quark. This lightest meson is responsible for interactions between protons and neutrons in nuclei.

Pion or Pi Meson

The exchange particle that holds quarks together, it is massless and has a spin quantum number of one.

Gluons

One of the three types of charged leptons, it decays into an electron, neutrino, and an anti-neutrino via the weak nuclear force.

Muon