

## 2003 MASER

### Round 12

#### Toss-up Questions

1. His 2001 spoken word album *Sketches of My Culture* was labeled one of the *Onion's Least Essential Albums of 2002*. He claims that his philosophy stems from thoughts of Marx, Chekov and Jesus Christ, and he and Michael Lerner encouraged different races to work together in *Blacks and Jews: Let the Healing Begin*. FTP name this professor of African-American studies at Harvard who is famous for his 1992 work *Race Matters* and public squabbles with Harvard President Lawrence Summers over depth of his commitment to scholarship.

Cornel West

2. The title character in this drama asks his servant, Wagner, to summon the magicians Valdes and Cornelius to teach him the black arts. The saying that Helen of Troy had the face that launched a thousand ships was coined in this play when a vision of Helen appeared to the title character. FTP, name this Christopher Marlowe play about a physician who sells his soul to Lucifer to get absolute power for 24 years.

Doctor Faustus

3. An outline of this doctrine's principles was published in an anonymous 1947 article in the journal *Foreign Affairs* that was actually written by the diplomat George Kennan. Kennan eventually criticized arms races and conflicts that were waged in the name of this policy and became an advocate for withdrawal of U.S. forces from Western Europe. FTP, the Eisenhower and Truman Doctrines were examples of what U.S. Cold War doctrine that utilized American influence to stem the spread of Communism?

Containment

4. He wrote the book *Making a Photograph* and was one of the founders of f/64, a group that attempted to distinguish photography from other art forms. In 1946, he established the first academic photography department at Calarts. Famous for his photographs of the Sierra Nevadas, he was a prominent conservationist who served many years on the board of the Sierra Club. FTP, name this photographer who published *Parmelian Prints of the High Sierras* and who is often credited with establishing photography as an art form.

Ansel Adams

5. It takes place in the Sun's outer third to bring out interior heat and its cells appear as cumulonimbus clouds when hot air rises, cools and rises again in a cycle. It can't occur within solids, so foam wall insulation prevents it by hindering air movement. It helps equalize outdoor temperatures by driving wind, is stopped by the walls of a thermos and forced by the fan in many ovens. FTP, name this movement of heat by currents.

Convection

6. He led the 1959 West Virginia basketball team to the NCAA championship game before losing to the University of California. He was the second overall pick

in the 1960 NBA draft behind Oscar Robinson and helped lead the Lakers to nine NBA Finals, though they were only able to win once. FTP, name this former President of the LA Lakers and current president of the Memphis Grizzlies whose silhouette is the logo for the NBA.

Jerry West

7. The Fomboni Accords of 2000 allowed each of its parts to elect a separate president after Moheli and Anjouan nearly seceded. Volcanic Mount Kartala and severe erosion hinder agriculture in this nation and its unofficial spoken language, Shikomoro, is a Swahili-Arabic hybrid. 98% Muslim and ruled by Islamic law, it became a French colony in the 19th century along with nearby Madagascar. FTP, name this archipelago located in the Mozambique Channel with capital at Moroni.

Comoros

8. Three Lives features the kindly German servant Anna. Melanctha features an uneducated black girl and The Gentle Lena showcases a dumb German maid. The Making of Americans features Martha Hersland and Four Saints in Three Acts is libretto for an opera by Virgil Thompson. These are works of, FTP, what author of the Autobiography of Alice B. Toklas?

Gertrude Stein

9. It is believed that he was a student of Gamaliel because of his articulate defense of that man. Although his name is Greek, tradition says that it was only the Greek equivalent of the Aramaic Kelil. His feast is on December 26 and he was one of seven people that the apostles asked to ensure that Greek-speaking widows got their fair share of food. FTP, who is this early Christian who became the first Christian martyr?

St. Stephen

10. He was active in Indian fighting in the old Northwest and became secretary of the Northwest Territory in 1798 and governor of Indiana in 1800. After his storied military career, which included a victory in the Battle of the Thames, his career in politics was undistinguished for a long time. By 1834, he was a lowly county recorder in Ohio before portraying himself as a cider-sipping common man and reading an inaugural address done for him by Daniel Webster. FTP, name this Whig who won the presidency in 1840, only to quickly die in office.

William Henry Harrison

11. Chevy Chase was a drummer in a very early version of this band. After a twenty-year hiatus, this act came back with a vengeance when their Two Against Nature won the 2000 Grammy for Best Album. Their greatest popular success came in the 1970s with albums such as Aja and Can't Buy a Thrill and singles such as Reelin' in the Years and Do it Again. FTP, identify this rock duo composed of Walter Becker and Donald Fagen that is named after a steel dildo in William Burrough's Naked Lunch.

### Steely Dan

12. There are two major conformational groups of this substance: one whose peptide backbone forms an alpha-helix and one whose backbone forms a zigzag or pleated sheet structure. Its molecules are usually connected by disulfide bridges and contain a large amount of cysteine. When decomposed using sulfuric acid, tyrosine and leucine are formed. FTP, what is this protein that makes up hooves, nails, and the horns of rhinos?

### Keratin

13. Her posthumously published *Maria, or the Wrongs of Woman*, expressed her view that the plight of working women is similar to prison. Dismayed by the mindsets of young women enrolled in her Newington Green school, her *Thoughts on her Education of Daughters* called for women to be educated in the ideals of the enlightenment. FTP, name this woman who is most famous for either writing the pioneering feminist tract *A Vindication of the Rights of Woman* or for being the mother of Mary Shelley.

### Mary Wollstonecraft

14. He limited franchises in the Statute of Quo Warranto and was forced to get public support for acts in the Confirmation of the Charters. His love for the wife who bore him sixteen children brought the raising of Charing Cross and eleven others where her funeral train paused. He defeated the nobles who rose against his father, Henry III, at Evesham, conquered Wales in 1283 and defeated the Scots at Falkirk in 1298. FTP, name this British king called Longshanks who appeared in the movie *Braveheart*.

### Edward I

15. During his undergrad years at Vanderbilt, he took a freshman English course under John Crowe Ransom and was brought into the *Fugitives* by Allen Tate. As a Rhodes Scholar, he defended segregation with the essay *The Briar Patch* in the collection *I'll Take My Stand*. While a professor at Louisiana State University, he saw firsthand the rise of Huey Long and wrote the play *Proud Flesh*, a forerunner to his most famous work. FTP name this only American poet to have won a Pulitzer Prize for poetry and fiction, the latter awarded for his *All the King's Men*.

### Robert Penn Warren

16. An engineering student and combatant at fifteen, his martyrdom gained him the nickname "American Abel." His victory at Pichincha helped to free Ecuador, while his strategy at Ayacucho helped free the region of Upper Peru, which became Bolivia. He was forced from power in 1828 to prevent war with Peruvians, who objected to his relationship with Simon Bolivar and was assassinated in 1830. FTP name this chief lieutenant and friend of Simon Bolivar for whom a capital of Bolivia is named.

### Antonio Jose de Sucre

17. The type caused by ultraviolet radiation is produced by bleach to brighten whites and is known as fluorescence. Fireflies create it with chemicals and most glow-in-the-dark products depend on a delayed version of it called phosphorescence. Seen even at very low temperatures, it happens when an energy source excites an electron and light is generated as the electron falls back to its ground state and emits energy in a different wavelength. FTP, name this kind of light that is not created by heat.

Luminescence

18. This play begins with the world-weary Euelpides and Pisthetairos following their pets in a search for contentment. In their quest, the pets lead them to others of their species who used to be troubled humans before being altered into a particular type of animal by the gods in order to gain perspective. The animals are persuaded to create their own utopia in the sky where those animals can take their rightful place above humans in, FTP, what Aristophanes comedy about Cloudcuckooland?

The Birds

19. It was stolen at the opening of the 1994 Olympics, but was recovered in 3 months. Part of the Frieze of Life, two men in top hats are seen walking behind the central character with fjords and a setting sun in the background. FTP, name this work of Art Nouveau that features a horrified man with his hands raised to his face and a gaping mouth, the most famous work of Edward Munch.

The Scream

20. It was motivated by fear of radical elements of the Nazi Party leading a second revolution, as well as a statement by General Werner von Blomberg that Nazi control of the military was unacceptable. These developments, coupled with S.A. leader Ernst Rohm's public statements questioning Hitler's power, motivated Hitler to purge his party of his enemies. FTP, give the nickname for June 30, 1934, a night in which Hitler ordered the murder of over 100 political enemies including Rohm himself, whom Hitler himself arrested at the Bavarian resort Bad Wiese.

The Night of the Long Knives

21. Its sequel, *The Way Back*, was published in 1931. The novel begins after a battle in which half of Paul Baumer's company has been killed. Baumer himself is eventually killed but not before saying "At the next war let all the Kaisers, Presidents and Generals and diplomats go into a big field and fight it out first among themselves." FTP name this anti-war novel set during World War I, most famous work of Erich Remarque.

All Quiet on the Western Front

22. For steel, it is around  $2 \times 10^{11}$  and for wood it is around  $1 \times 10^9$ . In Euler's formula, it is multiplied by the area moment of inertia of the cross section and by

pi squared. It is based on a principle in Hooke's Law and is always in pounds per square inch or dynes per square centimeter. Usually represented by an upper-case E, FTP, what is this value in physics that equals the ratio of stress over strain?

Young's Modulus

23. His works include 1980's controversial Shumann's Davidsbundlerdantze as well as Concerto Barocco, Agon, and Seven Deadly Sins. Emphasizing pure dance rather than plot, he created the original Slaughter on Tenth Avenue for the musical On Your Toes. FTP, name this ballet dancer who served as director of the ballet for the New York City Metropolitan Opera House and founded the School of American Ballet.

George Balanchine

24. Named from Latin for brood sow, its characteristic ulcer rarely appears today and antibiotics treatment for it can last a year. Caused by myobacteria that are often found in unpasteurized milk, it is also called tuberculosis adenitis and a painful swelling of the sufferer's lymph nodes occurs if untreated. FTP, name this disease that was often called king's evil because of the belief that the touch of a king could cure it.

Scrofula (Accept Tuberculosis adenitis before it is said.)

Bonus Questions

1. Answer the following about a figure from Greek Mythology, FTPE:  
He is known for the punishment given to him after he revealed Zeus' rape of Aegina to her father: Rolling a rock up a hill for eternity.

Sisyphus

Besides betraying secrets, Sisyphus kidnapped this death god and brother of Hypnos to prevent the dead from reaching Hades.

Thanatos

Some accounts claim Sisyphus was the father of this Trojan War hero through the daughter of Autolycus.

Odysseus

2. Given a work, identify the English author on a 30-20-10-5 basis.

30-Palamoun and Arcite

20-The House of Fame

10-The Parliament of Fowles

5-The Canterbury Tales

Geoffrey Chaucer

3. Identify the following legendary producers of rock music, FTPE

This founder of Motown was in large part responsible for making Marvin Gaye, the Supremes, and the Temptations household names.

Berry Gordy

Legend has it that he threatened John Lennon and Dee Dee Ramone at gunpoint. He pioneered the Wall of Sound technique heard in such hits as the Righteous Brothers' Unchained Melody and the Ronettes' Be My Baby.

Phil Spector

As founder of Sun Records, he is responsible for discovering Jerry Lee Lewis, Johnny Cash, Roy Orbison and Elvis Presley.

Sam Phillips

4. Answer the following about the parts of a flower FTPE.

This is the outermost part of the flower, and it covers the flower before it blooms.

Sepal

This is part that produces all that wonderful pollen. It is made up of the anther and a filament.

Stamen

This is the tube-like structure that encloses the female gametes in flowering plants.

Carpels

5. Identify the following African Americans who made election history in the 20<sup>th</sup> Century:

In 1992, this current long shot candidate for the Democratic nomination for President became the first black woman elected to the United States Senate.

Carole Mosely-Braun

In 1968 she became the first black woman elected to congress and became the first woman ever considered for a presidential nomination in 1972.

Shirley Chisholm

This Massachusetts Republican became the first black senator since Reconstruction with his 1966 election. Hillary Clinton first gained national attention when she attacked him as "irrelevant".

Edward Brooke

6. Answer the following questions about Slaughterhouse Five on a 5-10-15 point basis:

5-Who wrote Slaughterhouse 5?

Kurt Vonnegut

10-Name the alien race that tells Billy Pilgrim to inform humans of the reality of a fourth dimension.

Tralfamadorians

15-Give the alternate title of Slaughterhouse 5

The Children's Crusade: A Duty Dance With Death

7. Identify the following battles of World War I given clues FTPE.

This 1914 fight pitted Hindenburg and Ludendorff against the Russian forces of Samsonov, who killed himself after 80,000 men were made prisoners.

Tannenberg

In the first battle here, General Joffre repelled the German advance on Paris,

while the Second Allied victory here repelled the last major German offensive.

Marne

This 1916 battle is famous for being the only major engagement between the British and German navies during the war to end all wars.

Jutland

8. Identify the following French artists given some works FTPE.

Oath of the Horatii, Death of Marat

Jacques Louis David

The Gleaners, The Man with the Hoe

Jean Francoise Millet

The Stone Breakers

Gustave Courbet

9. Given some clues, name the African authors FTPE

This Egyptian novelist survived a knife attack, won the Nobel Prize, and wrote the Cairo Trilogy.

Naguib Mafuz

Brother of a Mau-Mau guerilla fighter, he stopped using the name James when he gave up Christianity. He wrote Weep Not, Child and Petals of Blood.

Ngugi wa Thiongo

This South African Nobel Prize winner is known for her anti-apartheid political views and works such as July's People and The Conservationist

Nadine Gordimer

10. Identify these types of numbers FTPE.

These numbers are composed of all rational and irrational numbers and their set is called the continuum.

Real Numbers

These numbers include real and imaginary numbers and take the form  $x + iy$ .

Complex Numbers

These are any real or complex numbers that satisfy a certain polynomial equation. Real numbers  $\pi$  and  $e$  are not of this type and neither are transcendental numbers.

Algebraic Numbers

11. Identify the following American cities given some clues FTPE.

This "Athens of the South" is home to Vanderbilt and many other colleges, as well as an exact replica of the Parthenon.

Nashville

This city is home to the headquarters of the United States Olympic Committee as well as the Olympic Training Facility.

Colorado Springs

This Eastern city is home of the Folger Shakespeare Library and the Corcoran Gallery of Art.

Washington, D.C

12. Answer the following questions about war and revolution in Latin America, FTPE:

This name was given to a collection of guerilla groups who fought against the Socialist Sandinista government of Nicaragua during the 1980s.

Contras

This former dictator of Panama is currently doing time in the United States for drug trafficking, racketeering, and money laundering. He was removed from power by U.S. troops in 1989.

Manuel Noriega

This country was ruled for most of the 1930s and 40s by Rafael Trujillo, a strongman infamous for his massacre of 15,000 Haitians in 1938.

Dominican Republic

13. Given their first lines, identify the following songs listed on VH1's very flawed list of greatest songs of the last 25 years FSNOP.

(Note to Reader: Please do not sing these lyrics when reading the question)

5: Load up on guns and bring your friends, it's fun to lose and to pretend.

Smells Like Teen Spirit (Nirvana)

10: Yeah this one right here goes out to all the baby's mamas, mamas...mamas, mamas, baby mamas, mamas, yeah, go like this.

Ms. Jackson (Outkast)

15: Since you've been gone I can do whatever I want, I can see who ever I choose, eat my dinner in a fancy restaurant, oh yeah.

Nothing Compares 2U (Sinead O'Connor, lyrics by Prince)

14. 30-20-10, name the chemical.

30-It was the only chemical that could be used as gasket material for atom bombs without being corroded by uranium hexafluoride in gaseous diffusion plants.

20-The geometry around the carbon atoms in this chemical is trigonal planar. It was developed by Roy Plunkett, and has a chemical formula of  $C_2F_4$ .

10-It is a registered trademark of Dupont. Also called tetrafluoroethylene, it is the non-stick coating on many pans.

Teflon (Accept tetrafluoroethylene before it is said.)

15. Answer the following about a Persian poet on a 5-10-15 basis.

5-Named "tentmaker," he was part of a group that reformed the calendar, but is much more famous for writing group of epigrammatic verse quatrains.

Omar Khayyam

10-Give the name of the quatrain collection for which Omar Khayyam is most famous.

Rubaiyat

15-The most famous translation of the Rubaiyat was published in 1859 by this Englishman, who was not very faithful to the original.

Edward Fitzgerald

16. Answer the following questions about a chemist FTPE.

This chemist isolated the chemical elements aluminum and beryllium, but is best known for his synthesis of urea.

Friedrich Wöhler

Wöhler also discovered calcium carbide and created this chemical commonly used today in welding from it by mixing calcium carbide with water.

Acetylene or Ethyne

Wöhler didn't stop there, though. He developed a way to prepare this element that ranks 11th in abundance in the crust and has atomic number 15 that is still in use today.

Phosphorus

17. Given descriptions of Platonic dialogues, name them FTPE

In this dialogue, Socrates defends obedience to the state when he refuses to escape prison to live life in exile.

Crito

This dialogue describes the death of Socrates.

Phaedo

This dialogue describes Socrates' skilled but failed trial defense

Apology

18. Identify the following architects given some of their most famous works FTPE.

Guggenheim Museum Bilbao

Frank Gehry

Fallingwater

Frank Lloyd Wright

Sagrada Familia, or Church of the Holy Family

Antonio Gaudi

19. Answer the following questions about politics in the 1850s FTPE

This party is believed to have been founded in Ripon, Wisconsin in 1854.

Republicans

This man negotiated a treaty with the Japanese Lord of Toda during the 1850s that ushered in an era of rapid industrialization.

Mathew Perry

He clubbed Senator Charles Sumner silly in response to Sumner's "Crime Against Kansas" speech that attacked this man's uncle, Sen. Andrew Butler.

Preston Brooks

20. Identify these principles of quantum physics FTPE.

This notion put forth by Niels Bohr says quantum laws reduce to classical ones when the behavior of systems can be described classically.

Correspondence Principle

Bohr also stated this idea that light's wave and particle natures are paired

physical qualities can't be studied in turn without obscuring their opposites.

Complementarity Principle

Similar to the correspondence principle, it says quantum mechanical equations simplify to classical when expectation values are drawn.

Ehrenfest Principle

21. Identify the following composers of familiar works given those works FTPE.

The Academic Festival Overture, German Requiem

Johannes Brahms

Bolero

Maurice Ravel

Peter and the Wolf

Sergei Prokofiev

22. Answer these questions about the Battle of Lepanto FTPE.

The battle occurred in this gulf off the coast of Lepanto, Greece.

Gulf of Patras

The Holy League forces were commanded by this man.

John of Austria, or Don Jon

The Ottoman fleet was led by this man.

Uluc Ali Pasha

23. Identify the writer from works, 30-20-10.

30-New Lives from Old

20-Blackberry Winter and Culture and Commitment

10-Coming of Age in Samoa

Margaret Mead