

## TOSSUPS – ROUND THREE

## DENNIS HASKINS OPEN MARCH 2005 (UTC/CWRU)

1. This man's scientific accomplishments include writing "On the Theory of Colors" and discovering the human intermaxillary bone. He also gave us the memorable quotes "When ideas fail, words come in very handy" and "The best government is that which teaches us to govern ourselves." Associated with the literary movement known as "Sturm und Drang", FTP name this German novelist, author of *The Sorrows of Young Werther* and *Faust*.

Answer: Johann Wolfgang von **Goethe** (pronounced *ger-tuh*, but accept phonetically plausible answers)

2. He has the unanimous support from the *Pardon the Interruption* commentators to be the 2005 NBA MVP due to the fact that his team was winless without him. While he's averaging a double-double for the 2004-05 season, he will probably be better remembered this season for serving a header to an Amare Stoudemire dunk in All-Star weekend. FTP name this Canadian guard formerly with the Dallas Mavericks, now playing in his first year with the Phoenix Suns.

Answer: **Steve Nash**

3. An epidemic now linked to this disease was found by Dr. Carleton Gajdusek in the Fore [*for-RAY*] people of New Guinea, who themselves called it 'kuru'. A similar disease has affected farmed mink populations, while sheep and goats are susceptible to a disease from which it may have originated, "scrapie". While the link is unproven, it appears that consumption of infected tissue can cause a variant form of the lethal Creutzfeldt-Jakob disease. FTP what is the common name of this disease, officially named bovine spongiform encephalopathy, that affects the brain tissue of cattle?

Answer: **Mad Cow Disease** [Accept any of those other names before they're read; accept "B.S.E." before "bovine spongiform encephalopathy"]

4. It lasted for 27 years with only a brief truce therein. Causes include the Battle of Sybota and the Megarian Decree. Early victories for the Battle of Pylos and the Battle of Amphipolis lead to the six year long peace of Nicias. The Lacedaemonians eventually achieved victory by besieging their opponent's city year-round and defeating their navy at the Battle of Aegospotami. For ten points what was this Greek war documented by Thucydides?

Answer: The **Peloponnesian War**

5. The Kaibab Trail was built as a second path of access because the main route was privately owned. This landmark is asymmetrical in that the north rim is about 300 meters higher than the south rim. Both Proterozoic and Paleozoic strata are exposed by the landmark, both of which can be seen along with sites such as Bright Angel Creek and Phantom Ranch on the popular mule ride tour. Ending at Grand Wash Fault, it is as much as 277 miles long and one mile deep. For ten points what is this feature of Arizona?

Answer: The **Grand Canyon**

6. This 1791 opera is populated by characters such as Sarastro, Three Genii, Papageno, and Monostatos. Its name is derived from the mythical instrument given to the protagonist for protection. Set in Egypt, FTP name this Mozart opera that details the journey of Tamino to rescue Pamina, the daughter of the Queen of the Night.

Answer: The **Magic Flute** (also accept *Die Zauberflöte* [Dee ZOW-ber-fler-tuh])

7. They consist of a weak acid with its conjugate base or a weak base and its conjugate acid and are used industrially to keep stable conditions for sensitive reactions. One important biological example is a combination of carbonic acid and bicarbonate found in blood plasma that carefully restricts the pH level. For ten points what are these solutions that resist changes in pH?

Answer: **buffer Solutions**

8. Also named Tatanka Iyotake, this man lived from 1831 until he was killed in response to his attraction to the Ghost Dance movement in 1890. Prior to his involvement in Buffalo Bill Cody's Wild West Show, he was forced to surrender his tribe to the US in Montana after fleeing with them to Canada. For ten points what was the popular name of this Native American leader whose dream prompted the Native American victory at the battle of Little Bighorn?

Answer: **Sitting Bull**

9. Pencil and paper ready. You will have fifteen seconds to buzz in, but only three seconds after you buzz in. FTP, how much money is five quarters, four dimes, three nickels, and two pennies?

Answer: **\$1.82**

10. When Act 1 opens, George, a history professor at New Carthage University, and his wife Martha, return home at 2 am but are still expecting guests, another couple from the college. In Act 2 the games, which are actually attempts by Martha and George to demean and torture each other, become more vicious when the hosts turn on their guests, Nick and Honey. The last act, "Exorcism," ends with all four characters' dirty secrets revealed, and Nick and Honey gone, leaving their hosts to pick up the pieces of their marriage. FTP name this Edward Albee play, whose title suggests that the author of *Mrs. Dalloway* might inspire fear.

***Who's Afraid of Virginia Woolf***

11. As originally depicted before he started getting bad P.R., this god protected the sun god Ra as he journeyed through the land of the dead and killed Apep, the serpent who attacked Ra each night. He was the husband of his sister Nephtys and the brother of Osiris, whom later stories said he murdered. Earlier sources usually described him as possessing the head of a Jackal, but he eventually assumed the crocodilian appearance of his former foe Apep. Depicted as possessing square ears, a curved snout, and a forked tail, FTP who was this Egyptian god of winds, storms, chaos and eventually evil?

Answer: **Set or Seth**

12. Its most common 66 variety is made by a condensation polymerization of a six-carbon diamine and a six-carbon di-acid. It was invented by Wallace Carothers at DuPont in 1935, and first went on sale in the form of a toothbrush in 1938. Through World War II, it was in high demand for tents, ropes, and parachutes, leading to the popular image of collection drives. Contrary to popular belief, its name did not come from London and New York, where the material was first produced. FTP name this synthetic fiber, most famously used for women's stockings.

Answer: **nylon**

13. When this character, recognizable by his Don King style hair, was asked to allow snow in Southtown, he refused until his mother stepped in and worked out a compromise with his brother. He is most well known for his singing, including the following lyrics: "I'm Mister Green Christmas, I'm Mister Sun, I'm Mister Heat Blister, I'm Mister Hundred and One". For ten points who was this character from the movie "A Year Without Santa Claus"?

Answer: **Heat Miser**

14. A writer for such newspapers as the *Washington Post* and the *New York Herald Tribune*, he used his journalistic style for his first book-length success, *The Electric Kool-Aid Acid Test*. More recently he was awarded a dubious prize from the Literary Review for poor use of sexual description in his most recent novel, *I Am Charlotte Simmons*. For ten points who is this American author famous for writing *The Bonfire of the Vanities* and *The Right Stuff*?

Answer: Tom **Wolfe** [grudgingly accept Thomas Wolfe, since that is his name, even though there's another writer better known by that name]

15. A governor for four years and a senator for three, this man hoped to run for president before he was killed by a gunshot from Carl Weiss. As a senator he created the Share Our Wealth program and was one of the early progenitors of Social Security. For ten points who was this Louisiana politician best known for achieving almost dictatorial power over his state?

Answer: **Huey Long**

16. He won the 1907 Nobel Prize in Physics for his work in measuring the speed of light, but he is better known for his findings regarding the nature of light. At Case Western Reserve University, using an interferometer, he tried to determine how the speed of light varies. For ten points, name this American scientist, who, along with Edward Morley, showed the non-existence of luminiferous ether

Answer: Albert Abraham **Michelson**

17. Born in Leeuwarden in 1898, this artist went on to produce over 400 woodcuts, lithographs, and wood engravings in his career, though he is better known for such works as *Ascending and Descending* and *Sky and Water*. These works play on perception, experiment with tessellation, and form impossible spaces. For ten points who was this artist whose works include *Relativity* and *Metamorphosis*?

Answer: Maurits C. **Escher**

18. This book was written while its author was imprisoned for preaching against the Church of England. The novel itself takes place on the road from the City of Destruction to the Gates of the Celestial City. Along the way the protagonist makes his way past obstacles such as the *Slough of Despond*, characters such as Hate-good, and events such as the Vanity Fair. For ten points what is this allegorical Protestant work concerning the everyman Christian?

Answer: The **Pilgrim's Progress**

19. His tombstone, located in the town of Kaliningrad, reads "Starry heavens above and the moral law within." Some of his significant contributions are the concept of a categorical imperative and the suggestion that the solar system coalesced from a cloud of gas. For ten points who was this German philosopher, best known for his three critiques?

Answer: Immanuel **Kant**

20. Those that supported it included the countries of the European Union, Russia, Canada, China, and Japan. Major countries that did not support it include Australia and the United States. Negotiated in December 1997 in the eponymous city, it came into force in February of 2005. FTP, identify this international global warming treaty designed to reduce the global emission of carbon dioxide and other greenhouse gases.

Answer: **Kyoto Protocol**

21. Important properties of this substance include its high heat capacity and high heat of vaporization, which allow it to act as a heat absorbant and minimize environmental temperature changes. It has a tetrahedral shape and two lone pairs, making it a polar substance. In addition to its cohesive and adhesive properties, its solid form can often be found floating in the ocean because it is less dense than its liquid form. FTP name this substance in which life originated that today covers three-fourths of Earth's surface.

Answer: **H<sub>2</sub>O**; or **water**

22. Dynamic typing, metaprogramming capabilities, an S-expression syntax, and list operations are features of this functional programming language. It became popular in the artificial intelligence community during the 1970s and '80s, although it had first been specified in 1958. For ten points, name this language developed by John McCarthy, instantly recognizable because of its highly parenthesized syntax, whose name comes from the phrase "list processing."

Answer: **Lisp**

23. A true Renaissance man, this Italian chemist published two well known books: *The Periodic Table*, *The Truce*, *The Drowned and the Saved*, and *Survival in Auschwitz* (originally *If This Be Man*) detailing his experiences during WWII and his subsequent survival from detachment. He is also accomplished due to his collections of poetry such as *Shema* and memoirs. FTP, Name this man whose death from falling down a flight of stairs is often considered a suicide.

Answer: **Primo Levi**

1. **VISUAL BONUS:** You are about to be handed a page with maps of three Civil War battles. Name the battle for the map identified by each letter, for 10 points each. You have 15 seconds to begin your answer.

Answers: (a) **Antietam**; (b) **Gettysburg**; (c) **Shiloh**

2. FTPE, stuff about a particular author:

Forever associated with the 1920's, his novels included *This Side of Paradise* and *Tender is the Night*.

Answer: **F. Scott Fitzgerald**

Nick Carraway is the narrator of this Fitzgerald work about a mysterious wealthy man on the fringes of high society.

Answer: ***The Great Gatsby***

At his death Fitzgerald left unfinished this novel about movie producer Monroe Stahr, loosely based on Irving Thalberg.

Answer: ***The Love of the Last Tycoon*** [accept ***The Last Tycoon***; after the movie version with that name, some editions were published under the abbreviated title]

3. Identify the following electrical components for 10 points each.

a) This device allows current to flow through it in one direction but blocks it from flowing in the opposite direction.

Answer: **Diode**

b) Often seen in large cylinders on power poles, this device is often used to convert electrical signals from high voltage, low current forms to low voltage, high current forms.

Answer: **Transformer**

c) This simple bridge circuit is used for measuring unknown parameters of circuit components. It consists of three resistors of known resistance, a galvanometer, and the component to be tested.

Answer: **Wheatstone Bridge**

4. Answer the following about these John Maddens FTPE.

(10) In 2002 John Madden joined this acclaimed ABC play-by-play announcer in the booth for *Monday Night Football*.

Answer: **Al Michaels**

(10) After *Her Majesty, Mrs. Brown*, another John Madden directed this 1998 Academy Award best picture starring Gwyneth Paltrow as Viola De Lesseps and Joseph Fiennes as William Shakespeare.

Answer: ***Shakespeare in Love***

(10) Remember hockey? Center John Madden had 19 goals and 22 assists in 2002-2003 for this New Jersey hockey team anchored by Martin Brodeur.

Answer: **New Jersey Devils**

5. FTPE answer the following about a particular movement:

a) Adherents believe their minds and spirits must be cleansed of negative engrams. Within this church, a secretive body called the Sea Org or organization serves the purpose of enforcing the rules and administering disciplinary procedures.

Answer: **Scientology**

b) Upon what science fiction author's teachings is Scientology based?

Answer: **L. Ron Hubbard**

c) What Hubbard book set out the original beliefs of Scientology in 1950?

Answer: **Dianetics: The Modern Science of Mental Health**

6. The U.S. wasn't their only foe. For 10 points each, identify these enemies of the now-defunct Soviet Union:

a) This nation fought the Soviet Union in a moderately successful war from 1919 to 1921, leaving it in effective control of much of Lithuania.

Answer: **Poland**

b) What northern nation was attacked by the USSR in 1939, which led to their uneasy 1941 alliance with Nazi Germany?

Answer: **Finland**

c) This was the umbrella name for loosely allied Muslim guerilla groups fighting the USSR when it invaded Afghanistan in 1979. Once the Soviets were ousted, it split into two warring rival factions, the Taliban and the Northern Alliance.

Answer: **the Mujahideen** [accept anything that sounds like this – there are half a dozen spellings]

7. For ten points each -- answer the following about a cell layer and its components.

(10) In bacteria, the amount of peptidoglycan in this two-word structure determines whether an organism is Gram positive or Gram negative.

Answer: **cell wall**

(10) This material makes up the cell wall of fungi. It is also included in the exoskeletons of insects.

Answer: **chitin**

(10) This material makes up the cell wall of plants. Not digestible by humans, it occurs naturally in almost pure form only in cotton fibre.

Answer: **cellulose**

8. FTPE, stuff about an author:

(10) Most of his novels, including *Nicholas Nickleby* and *The Old Curiosity Shop*, were published chapter by chapter in monthly installments, which explains why he repeated himself a lot.

Answer: **Charles Dickens**

(10) This novel set during the French Revolution contains two of Dickens' most famous lines: "It is a far, far better thing that I do, than I have ever done" and the opening line, "It was the best of times; it was the worst of times."

Answer: **A Tale of Two Cities**

(10) After poor sales for early installments of this 1844 novel, Dickens sent the grandson and namesake of the wealthy title character off to America, allowing him to take potshots at the gap between American ideals and reality.

Answer: **Martin Chuzzlewit**

9. For ten points each answer the following about computer design:

a) The Von Neumann and Harvard architectures are two different ways of partitioning what computer component?

Answer: **memory**

b) Which component of a computer processor performs math and logic operations?

Answer: **ALU or Arithmetic Logic Unit**

c) What term is used to describe a bundle of wires that carry information between computer components?

Answer: **bus**

10. For 10 points each, identify the following Indonesian islands.

a) The most densely populated island in Indonesia, it contains the capital of Jakarta.

Answer: **Java**

b) This island, the third largest in the world, is split between Indonesia, Malaysia, and Brunei.

Answer: **Borneo**

c) The world's sixth largest island, it is the home of Lake Toba. It also contains the area of Indonesia hardest hit by the December 26<sup>th</sup> tsunami of 2004.

Answer: **Sumatra**

11. For ten points each, give the most common oxidation state of the following elements.

a) Barium

Answer: **2+**

b) Silver

Answer: **1+**

c) Oxygen

Answer: **2-**

12. Given opening lines, name the poet for 5 points and the poem for 5 more. Hint: All 3 poets share the same first name.

a) "I wandered lonely as a cloud / That floats on high o'er vales and hills"

Answer: **William Wordsworth; Daffodils**

b) "Shall I compare thee to a summer's day? / Thou art more lovely and more temperate"

Answer: **William Shakespeare; Sonnet 18 (accept 18<sup>th</sup> Sonnet, etc.)**

c) "Out of the night that covers me / Black as the pit from pole to pole"

Answer: **William Ernest Henley; Invictus**

13. FTPE answer the following about some of the more popular legislation President Bush has signed into law:  
a) Perhaps the most popular bill signed by the president, it was intended to give people some privacy but did not apply to charities, pollsters, or political candidates.

Answer: **Do Not Call Bill**

b) This educational act was initially popular but has been criticized as being under funded. Criticism was also leveled when the government paid Armstrong Williams to promote the act.

Answer: **No Child Left Behind Act**

c) In January of 2004 the President proposed that this government agency be given an additional \$12 billion for exploratory purposes. The money came through only with the aid of Rep. Tom Delay, in whose district lies one of the agency's best-known centers.

Answer: **NASA**

14. For ten points each, answer the following about Medusa.

(10) Medusa was apart of this trio which also included Stheno and Euryale.

Answer: **Gorgons**

(10) After Medusa copulated in one of her temples, this figure changed Medusa's enticing golden locks into serpents.

Answer: **Athena**

(10) This figure killed Medusa by cutting off her head while looking at her in the reflection in a mirrored shield.

Answer: **Perseus**

15. For ten points, identify the following painting techniques:

a) This technique, developed by Caravaggio creates a strong contrast between light and dark.

Answer: **Chiaroscuro**

b) A phrase literally meaning "trick of the eye", it refers to the use of optical illusions to portray realistic images.

Answer: **Trompe l'oeil**

c) Perhaps not a painting technique and not a dignified form of art, this invention of the Craft House company was a favorite of General Eisenhower. Its popularity in America during the 1950's was seen by many as a symbol of conformity.

Answer: **Paint by Numbers**

16. For ten points each identify the following journalists.

a) Known for her undercover journalism work, this woman reported on conditions at the Women's Lunatic Asylum on Blackwell Island and also traveled around the world in 72 days.

Answer: **Nellie Bly** or Elizabeth Jane **Cochran**

b) This muckraker was famous for writing *How the Other Half Lives*.

Answer: **Jacob Riis**

c) Perhaps the best known US war correspondent, he was killed in 1945 on the island of Ie-Jima [EE-eh GEE-ma] near Okinawa.

Answer: **Ernie Pyle**

17. FTPE name the colonial power that controlled these African territories during the late 19<sup>th</sup> / early 20<sup>th</sup> centuries.

a) Sudan, Nigeria, Uganda

Answer: **England**

b) Mali, Niger, Chad

Answer: **France**

c) Angola, Mozambique

Answer: **Portugal**

18. For ten points each, given some lyrics from a "Weird Al" Yankovic song, name the song.

a) "You can be a coffee achiever; you can sit around the house and watch *Leave It To Beaver*."

Answer: **Dare to Be Stupid**

b) "I admit it's kind of eerie, but this proves my Chaos Theory, and I don't think I'll be coming back again."

Answer: **Jurassic Park**

c) "I'm down with Bill Gates; I call him money for short. I get him on the phone and I make him do my tax report."

Answer: **It's All About the Pentiums**

19. For ten points each, answer the following concerning the discovery of Neptune, the 8<sup>th</sup> planet.

a) Theories that the anomalous properties of the orbit of this planet was due to the gravitational field of another massive body led to the discovery of Neptune.

Answer: **Uranus**

b) In 1846, this Frenchman calculated and predicted the position of Neptune. He was credited with the discovery of the planet that same year.

Answer: **Urbain Le Verrier**

c) Although this Englishman independently made the calculations in 1843, before Le Verrier, his work was not accepted by his peers until it was too late.

Answer: **John Couch Adams**

20. For ten points each identify these classical works commonly heard today:

a) Mozart, Verdi, and Berlioz have composed requiems with this Gregorian chant, meaning “day of wrath.” Places it has been heard include the openings to the movie *Battle Royale* and the game *Harry Potter: Quidditch World Cup*.

Answer: **Dies Irae**

b) Originally composed by Richard Strauss in 1896, this symphonic poem was used as the opening for *2001: A Space Odyssey* and as entrance music for the wrestler Ric Flair.

Answer: **Also Sprach Zarathustra** or **Thus Spoke Zarathustra** [or Zoroaster]

c) Composed by Carl Jenkins, this song was inspired by its namesake architect. It is best known as the song from the De Beers diamond commercials featuring the silhouette people.

Answer: **Palladio**

21. Name that –ism! FTPE give the philosophical term from a definition:

a) An extension of the egocentric predicament, this theory holds that one can know nothing beyond one’s own thoughts, feelings, and perceptions, and by extension everyone and everything else exist only as projections of one’s own mind

Answer: **solipsism**

b) In opposition to realism, this doctrine prevalent in the Middle Ages held that ideas and objects exist only in the particular instance, not as abstract conceptions or forms, and that all universals are merely names with no existence of their own.

Answer: **nominalism**

c) As put forth by John Dewey, this holds that ideas and concepts should be regarded as tools to be used in specific situations, and thus can only be described as “effective” or “ineffective” rather than “true” or “false.”

Answer: **instrumentalism**

22. For ten points each, answer the following questions about Canadian military history.

a) What Canadian province saw the defeat of American invaders in 1775 and a 4/5 rejection of conscription in 1942 (to which the rest of Canada voted 70% yes)?

Answer: **Quebec**

b) In what disastrous 1942 raid on a French coastal town were over 800 Canadians killed and almost 2000 captured?

Answer: **Dieppe**

c) During the Normandy landings on D-Day, while the Americans stormed Omaha Beach, the beach with this code name was assaulted by Canadian forces.

Answer: **Juno Beach**

# VISUAL BONUS – ROUND THREE

DENNIS HASKINS OPEN MARCH 2005

Name the Civil War battle from a map FTPE:

