

TOSSUPS – ROUND 1 DENNIS HASKINS OPEN HS QUIZBOWL 2001 – UTC
Questions mostly by your genial quizmaster himself (Charlie Steinhice)

1. Child of a wealthy landowner, he was privately tutored but failed the entrance exam at Bologna. Fascinated with the work of Heinrich Hertz, he set up a lab in his father's attic and had some success transmitting signals over short distances. His breakthrough came when he discovered the importance of grounding both the transmitter and receiver. FTP name this inventor, who in 1901 transmitted the first transatlantic wireless communication.

Answer: Guglielmo **Marconi**

2. To stop her father from pursuing her and her lover, she cut her brother Apsyrtos into little pieces and threw them into the water. Her father, Aites, stopped to retrieve the chunks and thus never caught the Argo. This makes her response when her husband left her for that little tramp Glauke a lot less surprising. FTP name this wife of Jason, who not only gave Glauke a magic robe that burned her to death, but also for good measure killed her own two sons by Jason.

Answer: **Medea**

3. Upon its US publication in 1963, the publisher elected to omit the final chapter—the 21st chapter, in which it turns out the protagonist's old buddies eventually settled down into respectable citizens. This novel does a "horrorshow" job exploring the ramifications of free will and the potential for evil. Alex, the 15-year-old narrator, is arrested for murder after the beating of an elderly woman. He is then subjected to an experimental "redemption" process that eventually strips him of free will. Name this novel, FTP, written by Anthony Burgess, which was made into a popular movie by Stanley Kubrick.

Answer: ***A Clockwork Orange***

4. Born in Newmarket, Ontario, this actor played a cartoonist in the short-lived sitcom "The Duck Factory" and starred as the shy guy pursued by vampire Lauren Hutton in *Once Bitten*. Later in his career, he played the alien Wiploc in *Earth Girls Are Easy*, but it wasn't until his role in the Fox sketch comedy series "In Living Color" that people started noticing him. FTP, name this rubber-faced star of *The Truman Show* and *Ace Ventura: Pet Detective*.

Answer: Jim **Carrey**

5. It was established at the behest of George Washington for national defense reasons, but was considered far inferior to its sister in Springfield, Massachusetts. This might explain why, on October 16 1859, it was so easily taken over by guerrillas attempting to establish an anti-slavery refuge centered on this Virginia armory. FTP, name this federal arsenal whose takeover led to the hanging of John Brown.

Answer: **the Harper's Ferry armory**

6. One example is the Koch curve, which is created by taking an equilateral triangle and adding a smaller equilateral triangle to the center of each side, then repeating. Another famous one is the Mandelbrot set, which is the plot of the equation $z = z^2 + c$. FTP, name these geometric figures which exhibit self-similarity.

Answer: **fractals**

7. It was written in an unsuccessful attempt to court a 19-year-old woman, Therese Malfatti, by a man more than twice her age in 1810. Because of the composer's bad handwriting, it was thought to be dedicated to someone with a different name. Generations of piano students, like Schroeder in "A Charlie Brown Christmas," have learned to play it. FTP what is this short piano bagatelle by Ludwig van Beethoven?

Answer: **Fur Elise**

8. As duke of Normandy he had some clout over English barons, threatening to reclaim their Norman fiefs. The nominal obstacle between him and the throne was Eustace, son and chosen successor of Stephen. But when Eustace died suddenly, Stephen cut a deal in the Treaty of Westminster to name this man his heir in exchange for keeping the throne. FTP name this monarch, who began the Plantagenet line in A.D. 1154, father of future kings Richard the Lion-Hearted and John.

Answer: **Henry II**

9. Since these organelles differ in size and chemical properties between prokaryotes and eukaryotes, antibiotics such as tetracycline, streptomycin, and Zithromax can be used to target the organelle and kill the prokaryotic cell without hurting eukaryotic cells. These organelles are composed of two RNA and protein subunits. They are manufactured in the nucleus and then are released into the cytoplasm in order to function. FTP name this organelle that is directly involved in protein synthesis and is found floating in the cytoplasm or attached to the endoplasmic reticulum.

Answer: **ribosomes**

10. His spirituality can be seen in the long poem "Clarel." This author also addressed the issue in his last novel *The Confidence-Man: His Masquerade*. Perhaps his most allegorical work on the subject was the posthumously published *Billy Budd, Foretopman*. FTP, name this author who also wrote *Moby Dick*.

Answer: Herman **Melville**

11. This leader began the "Virgin Lands" policy, intended to open the lands of Central Asia and improve agricultural output. His first move upon assuming the role of First Secretary was to engineer the execution of dangerous KGB chief Lavrenty Beria, and he later presided over a major cultural thaw that saw the publishing of *One Day in the Life of Ivan Denisovich*. Though he generally attempted to smooth relations with the west, FTP, what Soviet leader played "chicken" with Kennedy during the Cuban Missile Crisis?

Answer: Nikita **Khrushchev**

12. A pantless man lies on the ground in the lower left corner, and two dead soldiers occupy the lower right corner. In the right-center, a boy holds two pistols, and the musket-bearer to the left is the artist's self-portrait. The crowd in the background looks toward an upraised flag, held by the half-nude central figure. FTP, name this painting by Eugene Delacroix.

Answer: *Liberty Leading the People*

13. The entire editorial content of the August 31, 1946 *New Yorker* consisted of one article. Published in book form in November of that year, it focused on six individuals – a German Jesuit priest, a Methodist minister, a personnel clerk, a widow, and two doctors. It has only four chapters, the last being "Panic Grass and Feverfew," the first being "A Noiseless Flash." FTP name this John Hersey account of the survivors of atomic warfare.

Answer: **Hiroshima**

14. This brittle metal is found in the ores braunite, hausmannite, and pyrolusite. First isolated in 1774 by Johan Gottlieb Gahn, this element is a key constituent of many enzymes such as superoxide dismutase. It also plays a critical role in photosynthesis, enabling the conversion of carbon dioxide to free oxygen. FTP name this transition metal, whose atomic number is 25.

Answer: **manganese**

15. This nation's cuisine is traditionally eaten from a shared dish as a sign of unity, and instead of utensils one uses a flatbread called injera to scoop up the food. Its name comes from the Greek for sunburned faces. The first emperor claimed descent from the Queen of Sheba and King Solomon. In the 1400's it became a Christian state, and a monastery there claims to hold the Ark of the Covenant. FTP name this African country, divided by a broad curve of the Blue Nile and bordering the Red Sea, formerly called Abyssinia.

Answer: **Ethiopia**

16. National League MVP in both 1954 and 1965, he played 23 years in the majors as well as a brief stint in his teens in the Negro Leagues. Only Henry Aaron and Babe Ruth hit more major league homers than this Hall of Famer, who also had a career batting average of .302. But he may be even better remembered for his fielding, roaming huge centerfields with ease and thrilling the crowd with his trademark basket catch. FTP name this New York and San Francisco Giant, whose catch and throw in the 1954 World Series is often considered the best fielding play ever.

Answer: Willie **Mays**

17. In Virgil's *Aeneid*, he was the brother of Dido and King of Tyre who killed Dido's husband Sychaeus for his riches. In Greek mythology, he was a King of Cyprus who fell in love with a statue which Aphrodite then brought to life. And in modern times, it is the name of a play by George Bernard Shaw. FTP, give the common name.

Answer: **Pygmalion**

18. Born in 1491, this son of Spanish nobles was hit by a cannon ball while defending Pamplona. While recovering at Manresa, he studied theology. This patron saint of spiritual retreats then wrote the manual *Spiritual Exercises*, setting forth his approach to an activist kind of monasticism. FTP name this founder of the Society of Jesus, or the Jesuits.

Answer: Ignatius of **Loyola**

19. These are usually found in groups of three, but were in fact not even proposed until 1963. Their name comes from *Finnegan's Wake*, by James Joyce. Gell-Mann and Zweig first proposed their existence. FTP, name these particles that have characteristics such as "color" and "flavor," and are classified into six kinds: up, down, strange, charm, bottom, and top.

Answer: **quark(s)**

20. In 1963 movie ticket taker Barbara Johnson was kidnapped and raped. Her assailant let her go and asked her to pray for him, and when arrested he quickly confessed to the crime. But based on an extensive review of police practices, including techniques of coercion and subterfuge described in training manuals, the Supreme Court ruled by a 5-4 majority that suspects had to be informed of the right to counsel and the right to remain silence in the face of interrogation. FTP name this landmark 1966 Supreme Court case or its namesake defendant.

Answer: **Miranda v. Arizona**, or Ernesto **Miranda**

21. In business in 1907, in 1986 it absorbed nearby St. Marys Hospital, where its founders originally worked as staff physicians. Each year its roughly 900 staff physicians and 800 residents treat over 400,000 patients from around the world. FTP name this pioneering medical facility in Rochester, MN, named for the two brothers who founded it.

Answer: the **Mayo Clinic**

22. After studying law and medicine at the University of Krakow, he became a priest. In 1530, in an unpublished manuscript he first stated a theory which would later be published in his *De Revolutionibus Orbium Coelestium*. FTP, name this Polish astronomer who championed the heliocentric theory of the solar system.

Answer: Nicholas Copernicus

23. Of the five theories concerning this beverage's origin, two are widely held. One claims it was invented in the San Francisco area after the Gold Rush; the other credits an employee of the Hoffman House in New York with its invention. Either way, this "silver bullet" is a quintessential American cocktail. FTP, name this mixture of gin and vermouth, enjoyed by a certain Mr. Bond when shaken instead of stirred.

Answer: martini

BONI – ROUND 1**DENNIS HASKINS OPEN HS QUIZBOWL 2001 – UTC**

1. Your genial quizmaster now has two innovations in quizbowl – “bragging rights”, which you’ll hear about later, and the format for this bonus, a format we’re using just this once today. Name the composer from works, 30-20-10-5-1:

30: *Symphony No. 3* (1946), *Music for the Theater*, *Dances for Cubans*, and *Vitebsk*

20: *El Salon Mexico* and the Oscar-winning score from the film *The Heiress*

10: The ballets *Billy the Kid* and *Rodeo*

5: The ballet *Appalachian Spring*

1: The autobiographies *Copland 1900 Through 1942* and *Copland Since 1943*

Answer: Aaron **Copland**

2. FFPE given a book that won the Newbery Medal, name the author.

1. The Witch of Blackbird Pond

Answer: Elizabeth George **Speare**

2. The High King

Answer: Lloyd **Alexander**

3. Island Of the Blue Dolphins

Answer: Scott **O’Dell**

4. The Whipping Boy

Answer: Sid **Fleischman**

5. Bridge To Terabithia

Answer: Katherine **Paterson**

6. Roll Of Thunder, Hear My Cry

Answer: Mildred D. **Taylor**

3. Given a description, give the common name for the carbon allotrope it describes FTPE.

Weak bonds join flat layers of carbon atoms together.

Answer: **graphite**

The carbon atoms are each bonded to four others, which sit at the corners of a tetrahedron.

Answer: **diamond**

The atoms occur in linked pentagons and hexagons in this curious allotrope of some 60 carbon atoms.

Answer: buckminster**fullerene** (accept “buckyballs”)

4. TRAVELS WITH CHARLIE: Your genial quizmaster’s first roadtrip of the millennium was to the Show Me State, whose noteworthy figures of the past include the following. FTPE name these Missourians:

1. The unsuccessful plaintiff in a landmark 1857 Supreme Court case, this slave's freedom was bought soon thereafter, and he lived out his years as a bellboy in a St. Louis hotel.

Answer: Dred **Scott**

2. He served as Governor from 1993 to 2000, when he left the seat to run against incumbent John Ashcroft for the U.S. Senate. Killed in an October plane crash, he was elected posthumously to the Senate.

Answer: Mel **Carnahan**

3. Born in southwestern Missouri, this former slave became a professor of industrial chemistry at Tuskegee Institute, where his hundreds of inventions included many innovative uses for the peanut.

Answer: George Washington **Carver**

5. They're here to save the world before bedtime. F5PE answer the following about the Power Puff Girls:
a) For 5 pts. each, name the three diminutive superheroines.

Answer: **Blossom, Bubbles, and Buttercup**

b) They were created when an extra ingredient was added to sugar, spice, and everything nice. F5PE name the added ingredient and the square-jawed scientist/father figure whose experiment was thus altered.

Answer: **Chemical X and Prof. Utonium**

c) For a final 5 pts., name the Townville kindergarten the trio attend, site of a memorable game of dodgeball with the Gangrene Gang.

Answer: **Pokey Oaks**

6. Identify the following about the second-oldest continuous republic in the Americas FTSNOP.
For 5, what is this nation, a former French colony?

Answer: **Haiti**

For 15 pts. if exact or 5 pts. within 5 years, in what year did Haiti accomplish complete independence from France?

Answer: **1804** (5 pts. for anything else from 1799 to 1809)

For 15, what former slave fought colonial forces from 1791 to 1800 and generally secured Haitian independence, although he died in France in 1803?

Answer: François Dominique **Toussaint L'Ouverture**

7. FTPE, answer the following about (yawn) *Pilgrim's Progress*.
Who wrote that oh-so-exciting novel?

Answer: **John Bunyan**

Who is the archetypal hero?

Answer: **Christian**

Which site of Christian's travels, the center of human corruption, formed the title of a William Thackeray novel?

Answer: **Vanity Fair**

8. Sure it's been a while since your genial quizmaster's last science class, but this is before even *his* time. Identify these pre-19th century biologists FTPE.

This Englishman demonstrated the circulation of blood.

Answer: William **Harvey**

This Dutchman used the microscope he invented to study what he called "Animalcules."

Answer: Anton von **Leeuwenhook**

This Flemish scientist working in Padua published an influential treatise on anatomy in the 16th century.

Answer: Andreas **Vesalius**

9. 30, 20, 10 name the man.

30 – He became an Augustinian friar after nearly being hit by lightning shortly after gaining his masters' degree. Subject of a notable psychobiography by Erik Erikson, he believed that he was physically attacked by the devil on a regular basis.

20 - Using Romans 3:28, Ephesians 2:8, and a conviction of the impurity of man, he generated three central religious ideas: *sola fide*, *sola scriptura*, and *sole gratia*.

10 – His arguments against indulgences, the "95 theses," kick-started the Reformation.

Answer: Martin **Luther**

10. For 10 points each, name these computer company based on one of its founders:

Paul Allen

ANSWER: **Microsoft**

Larry Ellison

ANSWER: **Oracle**

Bill Joy

ANSWER: **Sun Microsystems**

11. With the Academy Awards given out just last Sunday night, here's a way for Charlie to sneak his Oscar fixation into an academic bonus. FTPE name these figures in 20th century American history. The common link: all have been portrayed in Oscar-winning performances.

1. In the Oct. 1918 Battle of the Argonne Forest, this former conscientious objector was credited with taking a hill, killing 25 German soldiers and capturing 132 more.

Answer: **Alvin C. York**

2. Despite his brilliance in the Sicily campaign, he was relieved of command of the 7th army after slapping a soldier who suffered from battle fatigue. He returned to lead the 3rd Army's amazing post-D-Day advances across Europe.

Answer: **George S. Patton, Jr.**

3. This anarchist was imprisoned many times on such grounds as incitement to riot, opposing the draft, and even advocating birth control. Deported to Russia in 1919 with longtime colleague Alexander Berkman, she grew dissatisfied with the Bolsheviks and left Russia in 1921.

Answer: **Emma Goldman**

[READER'S NOTE: The Oscar winners for these roles were, respectively, Gary Cooper, George C. Scott, and Maureen Stapleton.]

12. TRAVELS WITH CHARLIE: Just last weekend, returning from a tournament in Michigan, Charlie and the UTC team were regaled with "Alternative Polka" from Weird Al Yankovic's album *Bad Hair Day*. Given a song converted in part to a polka in that glorious medley, name the original artist FTPE:

a) "Bang and Blame"

Answer: **R.E.M.**

b) "Basket Case"

Answer: **Green Day**

c) "Loser"

Answer: **Beck**

d) "Black Hole Sun"

Answer: **Soundgarden**

e) "I'll Stick Around"

Answer: **Foo Fighters**

f) "Bullet with Butterfly Wings"

Answer: **Smashing Pumpkins**

13. If you've ever played Dino Hunt this will be a breeze. Given a list of dinosaurs, FTPE tell whether they flourished in the Triassic, Jurassic, or Cretaceous period:

Triceratops, Tyrannosaurus

Answer: **Cretaceous**

Plateosaurus, Coelophysis

Answer: **Triassic**

Stegosaurus, Apatosaurus

Answer: **Jurassic**

14. Given some works, name the author for ten points each.

A Man in Full, *The Bonfire of the Vanities*

Answer: Tom **Wolfe**

Bleak House and *Nicholas Nickleby*

Answer: Charles **Dickens**

Life's Little Ironies and *The Return of the Native*

Answer: Thomas **Hardy**

15. Man, it's tough to write a question on the U.S. Coast Guard. FTSNOP answer the following:

1. (5 pts.) In 1957 the Coast Guard cutters *Storis*, *Bramble*, and *Spar* finally completed one of the most sought-after nautical achievements by sailing through this waterway.

Answer: the **Northwest Passage**

2. (5 pts.) The Coast Guard was created as the Revenue Cutter Service in 1790 at the urging of this Secretary of the Treasury, who wanted a way to fight smuggling and piracy.

Answer: Alexander **Hamilton**

3. (10 pts.) The Coast Guard Academy is located in this New England city.

Answer: **New London**, CT

4. (10 pts.) In 1989 the Coast Guard headed the cleanup of the record-setting 11 million gallon oil spill after this tanker struck a reef in Alaska's Prince William Sound.

Answer: **Exxon Valdez**

16. FTP each, name the philosopher or the school of philosophy given clues.

This man believed that the appearance of movement and the existence of separate objects are illusions, not real.

Answer: **Parmenides**

This is the philosophical school that Parmenides led.

Answer: **Eleatic** school

This suicidal philosopher agreed that reality is eternal, but said that it is formed by chance combinations of the four primal elements.

Answer: **Empedocles**

17. Name these self-destructive authors FTP each.

This 19th-century English poet of *Atalanta in Calydon* suffered from serious alcoholism and had quite a fancy for masochism in the bedroom.

Answer: Charles Algernon **Swinburne**

This author of *Justine* abducted prostitutes for cruel sexual bouts.

Answer: Donatien-Alphonse-Francois, Marquis **de Sade**

Destructive sexual tendencies and an incestuous relationship with his half-sister Augusta caused this English poet of *Hours of Idleness* to head off to remote Greece, where he died as part of its independence fight.

Answer: George Gordon, Lord **Byron**

18. There are four fundamental forces of nature, and you can score up to thirty points if you know them well. You'll score five points for each force you name, twenty-five if you name all four, and thirty if you name them in order of strongest to weakest.

Answer: Strong nuclear force; Weak nuclear force; Electromagnetic force (or electromagnetism); Gravity

19. FTP each, identify these islands.

Until their extinction in 1681, dodos lived exclusively on this island in the Indian Ocean.

Answer: **Mauritius**

This island was home to the statue-building Rapa Nui people.

Answer: **Easter** Island

St. John was exiled to this island around AD 66 and received his vision of the biblical book of *Revelation*.

Answer: **Patmos**

20. Name these pharaohs of Ancient Egypt, FTP each.

This son of Seti reigned c.1292-1225 BC. He is probably the pharaoh in *Exodus*.

Answer: **Ramses II**

Of the 18th dynasty, he reigned c. 1372-54. He was supposed to be Amenhotep IV, but he rejected Egyptian polytheism for a monotheistic worship of the sun disc. His wife was the beautiful Nefertiti.

Answer: **Akhenaton** or Ikhnaton

The son-in-law of Akhenaton, he returned Egypt to its polytheism although he reigned only a very short time and died at age 18.

Answer: **Tutankhamon** or King Tut

21. Identify these terms one might need to know to construct a BattleBot FTPE:

1. Coil of wire producing a magnetic field when electrically charged, as used for activating switches. (One important use is in the manufacture of pinball flippers.)

Answer: **solenoid**

2. Rotor, wound with wire coils, of an electric motor or generator; the vibrating part of a loudspeaker, electric bell, or other electromagnetic device

Answer: **armature**

3. Component with two terminals, typically allowing current to flow in one direction only.

Answer: **diode**

22. Give these economics terms from clues FTP each.

This ratio shows the number and size of firms in an industry by showing the percent of production of the four largest companies in an industry.

Answer: concentration (ratio)

These are the savings from production and distribution facilities of an optimum size.

Answer: economies of scale

This is the term for returns above normal profit, such as the windfall for monopolies.

Answer: economic profit