

**TOSSUPS – SEMIFINALS****DENNIS HASKINS OPEN HS QUIZBOWL 2001 – UTC**

1. 41 men signed the original, which has long since disappeared. We know the text from the version given in the history Of Plimouth Plantation by one of those signatories, William Bradford. FTP name this 1620 document, the first agreement for self-government ever put in force in North America.

Answer: the **Mayflower Compact**

2. This is one of the pigments, other than chlorophyll, that traps light energy in leaves during photosynthesis. It is a lipid formed by a series of isoprene units that are covalently linked and chemically modified. In humans, it is usually broken down into two vitamin A molecules. FTP, name this substance, which is responsible for the color of carrots and pumpkins.

Answer: **Beta-carotene** (prompt on carotene)

3. Between its original anonymous publication in 1728 and the official, acknowledged version seven years later, its target changed. It was actually a response to the 1726 book *Shakespeare Restored*, in which scholar Lewis Theobald attacked the author's edited version of Shakespeare. Ironically, it was the wide circulation of a butchered version that forced the true author to admit he wrote it – but the formal reissue was recast with poet laureate Colley Cibber as the model for Tibbald, hero of the reign of pedantry. FTP name this mock heroic verse by Alexander Pope.

Answer: The **Dunciad**

4. This lake's great depth can cause refraction that can make it appear to float in midair, and "storms" can occur beneath its surface. 22 miles long and ice-free year round, it is the largest portion of the Caledonian Canal. Perhaps the best view of it is near Drumnadrochit, near which St. Columba was the first to record another supposed oddity. FTP, name this Scottish lake that could also be home to a great beastie.

Answer: **Loch Ness**

5. It was invented on the set of the 1938 movie *Campus Confessions* by the same man who pioneered the layup, former Stanford player Hank Luisetti. It was first used successfully in a college game by Seton Hall guard Bob Davies – the inspiration for the cheesy "Chip Hilton" books – in the semifinals of the 1941 NIT. Popularized by Celtics guard Bob Cousy, FTP, what fancy basketball maneuver allows the offensive player to shield the ball from a defender while maintaining his dribble?

Answer: **behind-the-back** dribble

6. This movement dominated Christian schools and universities from the middle of the 11<sup>th</sup> century to the middle of the 15<sup>th</sup> century. It attempted to combine human reason and science with the Christian and Jewish philosophies, and spun off the philosophy known as nominalism. FTP, name this movement that rethought the ideas of Aristotle, and featured such thinkers as Peter Lombard and Peter Abelard.

Answer: **Scholasticism**

7. In French, its name means fish, but it's named after a mathematician. It's a model for events at irregular intervals with a predictable average time. This distribution's variance is equal to its average. For ten points, name the probability distribution.

Answer: Poisson

8. He'd survived numerous assassination attempts, major riots, and coup attempts at Strasburg and Boulougne. His eventual ouster was almost accidental, though. When his prime minister Guizot decided to halt political banquets by moderate opponents, the opposition wanted to challenge this in courts and announced a Grand-National banquet as a test case. Inflamed by radical newspapers, crowds held an unplanned procession that turned into a riot big enough to force this king's resignation. FTP name this French monarch, who abdicated in 1848 after a turbulent 18-year reign.

Answer: **Louis Philippe**

9. This type of device is charged by closing a switch at a point, which completes an RC-series circuit consisting of itself, a battery, and a given resistance. The earliest versions were merely two conductors separated by a dielectric material, so that when current was removed, one would maintain a negative charge and the other a positive. FTP, the Leyden jar was an early example of what device for storing electric charge?

Answer: **capacitor** (prompt on: condenser)

10. A miserly epicure, this fictional character plays on the bad qualities of all those around him, from Sir Politic Would-Be to a greedy lawyer, and brings ruin to each. The main character of a 1607 play subtitled "the fox," FTP, name this titular Ben Jonson villain.

Answer: **Volpone**

11. This architect helped initiate the Italian Renaissance, and changed architecture by basing it on mathematics, proportion, and perspective. Although he also designed the Medici Church of San Lorenzo and the hospital Ospedale degli Innocenti, he is best known for his work that consists of two octagonal vaults, one inside the other. FTP, name this Florentine designer of the Duomo, the dome of the Florence Cathedral.

Answer: Filippo **Brunelleschi**

12. Robert Lowell called this poem "Whitman's America, grown pathetic and tragic." Published in five volumes from 1946-1958, it was intended as a response to the obscure, allusion-filled style of Ezra Pound and T.S. Eliot. The guys from the title location "beat up the guys from Newark and told them to stay the hell out of their territory," which is also a New Jersey town. FTP, identify this poetry collection, named for the hometown of its author, William Carlos Williams.

Answer: **Paterson**

13. Examples of this type of compound include magnesium nitrate. In this class of compound, an anion is provided by an acid (such as a nitrate ion from nitric acid) and a cation from the base (such as magnesium from magnesium hydroxide), which combine in an ionic compound. FTP, name this class, epitomized by sodium chloride.

Answer: **salts** (prompt on ionic compound)

14. Before the founding of Israel, he was a leader of the militant Irgun and was jailed by the British for suspected pro-German ties. While the Labor Party governed the state of Israel for almost 30 straight years, this man was one of its main opponents for the duration. For ten points name this leader of the Likud Party who finally broke Labor's streak when he became Prime Minister in 1977.

Answer: Menachem **Begin**

15. This son of Aeolus founded Ephyre, which later became Corinth. According to some accounts, he avenged a cattle theft by stealing Autolycus' daughter, thereby becoming the father of Odysseus. More memorable, perhaps, is his crime of reporting Zeus' rape of Aegina and his resulting punishment. FTP, who the man who must endlessly roll a stone up a hill in Hades?

Answer: **Sisyphus**

16. This Russian composer and pianist performed his last concert in 1943 at the University of Tennessee, Knoxville. He based his symphonic poem *The Bells* on Edgar Allan Poe's poem, and wrote *Prelude in C sharp minor* at the age of 19. One of his compositions was rearranged as "Full Moon and Empty Arms." FTP, name the composer of *The Isle of the Dead*, who was the idol of David Helfgott in *Shine*.

Answer: Sergei **Rachmaninoff**

17. William Lyon [blank] led an insurgency in Toronto in 1837. William [blank] organized the Canadian Northern Railway. Alexander [blank] was Prime Minister of Canada from 1873-78. FTP, what is this common name in Canadian history also shared by Sir Alexander, the fur trader who discovered Canada's longest river?

Answer: **Mackenzie**

18. An appearance on Saturday Night Live was delayed almost an hour because of an overly long XFL game. This former “fly girl” didn’t miss a beat, though, raising eyebrows with a transparent, nipple-bearing gray top at the Grammys. FTP, name this musician, who acknowledged taking out a million-dollar insurance policy on her callipygian backside.

Answer: Jennifer **Lopez**

19. When molecules are very close together they repel, and when they are widely separated, they attract because of these forces. They are generally weaker than those that hold the molecule itself together. Substances change states when the molecules constant vibration overcomes these forces. FTP, name these forces which hold a group of molecules together.

Answer: **Van der Waals** forces

20. This author has written both a novel and a collection of short stories about the character Eva Luna. She wrote Paula about her daughter who had fallen into a coma. The author of *Daughter of Fortune*, her first novel appeared in 1982. FTP, name this South American-born writer who has also written *The House of the Spirits*.

Answer: Isabel **Allende**

21. The mayor of this city, Joe Carollo, was recently arrested for hitting his wife with a tea canister. In the 1920s, it experienced a real estate boom because of the work of John S. Collins and Carl F. Fisher. Current attractions include the Lowe Art Museum, Coconut Grove Convention Center, and the Orange Bowl. Nestled around the Bay of Biscayne, FTP, in what city will you find fashionable South Beach?

Answer: Miami

22. At first a predominantly white style, it became prominent in the urban religious revivals led by the evangelist Dwight Moody and musician Ira Sankey. Its roots were in Sunday school hymns, camp meeting spirituals, and the melodies and harmonies of popular music. For ten points, name this genre of popular American hymnody that emerged about 1870.

Answer: **gospel** music

23. Milton refers to him as “admiring more the riches of Heaven’s pavement, trodden gold, than aught divine.” This demon’s name is the same as a word appearing in several Bible verses, although it denotes a material source of temptation rather than a being. Jesus advises in the Sermon on the Mount that man cannot serve both God and this. FTP, give the Aramaic word for riches.

Answer: **Mammon**

24. He worked in the MIT Artificial Intelligence Lab during his time at Harvard obtaining his BA in Physics. A decade after his graduation in 1974, this developer of Emacs founded the GNU (pronounced GEN-NU) Project. FTP, name this poster boy of free software, a well-known hater of Bill Gates.

Answer: Richard **Stallman**

## BONI – SEMIFINALS

## DENNIS HASKINS OPEN HS QUIZBOWL 2001 – UTC

1. For the stated number of points, name the following laws.

5 points. This law states that within any isolated system, entropy tends to a maximum.

Answer: **Second Law of Thermodynamics**

10 points. This law states that the amount of current flowing through a circuit is directly proportional to the voltage of the circuit and inversely proportional to the total resistance.

Answer: **Ohm's Law**

15 points. This law states that if two given systems are each in equilibrium with a third system, then they must be in equilibrium with each other.

Answer: **Zeroth (0<sup>th</sup>) Law of Thermodynamics**

2. Identify these figures in the Mexican Revolution, FTP each.

The Revolution began against this President, who seized power in 1876 and held onto it until ousted by the revolution in 1910.

Answer: Porfirio **Díaz**

Born Doroteo Arango, he thought that the government after the ouster of Díaz was still corrupt. His revolutionary activities included a 1916 incursion into New Mexico, causing US anger.

Answer: Francisco "Pancho" **Villa**

A farmer of indigenous descent, he too fought the post-Díaz governments, as they refused land reforms. His forces controlled most of Southern Mexico until he retired to Morelos.

Answer: Emiliano **Zapata**

3. Identify the following recent Pulitzer Prize-winning books from years and authors.

1985, William Kennedy

Answer: **Ironweed**

1994, E. Annie Proulx

Answer: **The Shipping News**

1995, Richard Ford

Answer: **Independence Day**

4. Did you watch the Ken Burns documentary *Jazz* on PBS? Given three jazz greats, name the instrument they all played, FTP each.

Duke Ellington, Mary Lou Williams, Thelonious Monk

Answer: **piano**

Lester Young, Coleman Hawkins, Charlie Parker

Answer: **saxophone**

Miles Davis, Dizzy Gillespie, Wynton Marsalis

Answer: **trumpet**

5. Given a mythical tale but without the names of the gods or goddesses in question, name the culture or religious tradition that produced it FTP each.

A goddess is afraid of her brother and locks herself away in a cave.

Answer: Japanese or Shinto (the goddess is Amaterasu and her brother is Susanoo)

A goddess rebuilt the body of her husband and brother after another sibling dismembered him.

Answer: Egyptian (Isis, Osiris, and Set respectively)

A god eats his children to make sure no one overthrows him, but his wife and sister substitutes a rock to save one of her children.

Answer: Greek (Cronus, Rhea, and Zeus respectively)



6. Given the meaning, name the color of the flag in auto racing for ten points each.

Penalty

Answer: black

Caution, danger ahead

Answer: yellow

One lap left in race

Answer: white

7. FTP each, name the animal that is characteristic of these orders of the class *Mammalia*.

The order *Proboscidea*

Answer: **Elephant**

The order *Chiroptera*

Answer: **Bat**

The order *Dermoptera*

Answer: **Flying lemur** (Accept: colugo and cobego)

8. Answer these related questions about a French painter FTP each.

What post-Impressionist's use of multiple viewpoints for objects in his paintings foreshadowed cubism?

Answer: Paul **Cézanne**

Among Cézanne's most famous paintings to use different perspectives is *Table, Napkin, and Fruit*. What type of painting focuses on such inanimate objects?

Answer: **still life**

Cézanne used multiple perspective in several famous paintings of this French mountain.

Answer: **Mont Sainte-Victoire**

9. Answer the following about the impeachment of Andrew Johnson, FTP each.

Johnson's dismissal in 1868 of this Secretary of War led to his impeachment.

Answer: Edwin **Stanton**

This dismissal was deemed in violation of this 1867 Act, which was ruled unconstitutional in 1926.

Answer: **Tenure of Office Act**

According to *Profiles in Courage*, this Kansas Senator's vote prevented the conviction of Johnson.

Answer: Edmund G. **Ross**

10. Answer these questions about French poet Joachim du Bellay FTP each.

He was a member of this 16<sup>th</sup> century literary group, headed by Pierre de Ronsard.

Answer: La **Pléiade**

De Bellay's *Defense and Illustration of the French Language* helped popularize this fourteen-line poetic form in France.

Answer: **sonnet**

Du Bellay also wrote poems in this uniquely French style. Originally intended to be sung, and often grouped in five or six stanzas, they eventually became almost indistinguishable from odes.

Answer: **chansons**

11. With the supplied information, give the area of the shapes FTP each. . (READER: allow 15 seconds per part before calling time)

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Find the area of an ellipse with a semimajor axis of 8 units and a semiminor axis of 7 units.

Answer:  $56\pi$  square units

To the nearest whole number, find the area of a regular hexagon with a radius, bisecting its sides, of 2 units.

Answer: 10 square units

Find the surface area of a circular cylinder with a radius of 5 units and a height of 8 units.

Answer:  $130\pi$  square units

12. Answer these questions related to extreme height and depth for the stated number of points.

10 – Rising to a height of 10 miles placed one in what level of the earth's atmosphere?

Answer: **stratosphere**

10 – Descending to a depth of 35,800 feet is only possible in the world's deepest trench. Name it.

Answer: **Mariana(s) Trench**

For 10 points, give the pressure in pounds per square inch at the bottom of this trench, 36,198 feet underwater. You'll get 10 pts if you are within 1,000 lbs/ft or 5 points if you're within 3,000 lbs/ft.

Answer: 15,124-17,124 (ten-point range)

13,124-19,124 (five-point range)

13. Answer the following questions concerning Indonesian history for ten point each.

What country launched attacks on the newly formed Indonesian in 1947?

Answer: The Netherlands

Name Indonesia's first president who held office from 1945-68.

Answer: Sukarno

This man forced Sukarno to hand over the reins of power in 1966 after a failed coup attempt.

Answer: Suharto

14. In the beginning, there were three different types of molecules and one element present in gaseous form. Lightning provided the energy necessary to unite these chemicals into amino and nucleic acids.

F5PE name these gases, whose initials form the acronym for the theory stated above.

Answer: **Water, Hydrogen, Ammonia, Methane**

FTP name either the Russian biochemist who was ignored when he first published this idea in 1922, or the person who tested this hypothesis with much success in the 1950's at the University of Chicago.

Answer: **A.I. Oparin** or **Stanley Miller**

15. Name this literary genre, 30-20-10:

(30) British examples of this genre include the *Erra Pater* and *The Compost of Ptolomeus*.

(20) The first section contained information about eclipses and other astronomical events; the second, known as the "Kalender" showed the days of the months and Church festivals; and the final section, the "Prognostication," was an astrological forecast.

(10) The most noted American imitator of the genre was Benjamin Franklin's popular "Poor Richard's."

Answer: **almanac**

16. Given the date and a brief description, name the religious holidays FTP each.

January 6. It marks the arrival of the Three Wise Men who sought the newborn baby Jesus and the Twelfth Night, or end, of the Christmas season.

Answer: Feast of the **Epiphany**

February 2. It celebrates the presentation of the Christ child in the temple and the purification of the Blessed Virgin Mary 40 days after she gave birth to Jesus.

Answer: **Candlemas**

Sunday nearest October 31. It celebrates the day Martin Luther nailed his "95 Theses" to a church door.

Answer: **Reformation Sunday**

17. FTP each, answer the following questions concerning Bob Dylan.

Last week Dylan won the 2000 Oscar for Best Original Song for his composition for this Michael Douglas film.

Answer: *The Wonder Boys*

Dylan's only book, completed after his motorcycle accident, shares its name with an arachnid. Name it.

Answer: *Tarantula*

For most of 1999 he was on tour with what other famous musician, who made the album *Graceland*.

Answer: Paul Simon

EDITOR'S NOTE: On the Dylan/Simon tour, they'd do a three song set together, and it was painful to watch Dylan try to stay on key to harmonize – especially on "I Walk the Line."

18. Take a "Journey" and identify these "cities by the bay" FTPE.

1. Located on the shores of the Bay of Good Hope, this city has a population of about 13000, mostly Inuit, with a small Danish minority as well. It is home to one of the world's northernmost ice-free harbors, as well as large fish-processing plants and the University of Greenland.

Answer: **Nuuk** (accept the former name, Godthab)

2. This city located on the Bay of Fundy is home to a geographic anomaly--exceptionally high tides cause the falls of a nearby river to change directions. In 1783, thousands of United Empire Loyalists settled in this city, now the capital of New Brunswick.

Answer: **Saint John** (do not accept St. John's--that's in Newfoundland)

3. Like neighboring Newcastle, it lies on the shores of Botany Bay, along which its most famous landmark--an oddly shaped opera house--rests. Its population of about 3 million makes it Australia's largest city.

Answer: **Sydney**

19. FTP each, answer the following related questions.

This Revolutionary War hero led a regiment of soldiers that regularly attacked British supply lines in brief surprise attacks and then withdrew to swampy area, safe from the British soldiers.

Answer: Francis **Marion**

This Revolutionary War general joined forces with the Swamp Fox at the Battle of Eutaw Springs, the last major battle of the Carolina campaign.

Answer: Nathanael **Greene**

This author wrote a teen mystery series, in one book of which Francis Marion prominently figures. Name this man who wrote of Frank and Joe's crime-fighting exploits.

Answer: Edward **Stratemeyer** (accept: Franklin W. Dixon, his pseudonym)

20. By now you are all familiar with Henrik Ibsen, the Norwegian playwright, but, FTP each, can you name these American playwrights whom his realism influenced?

This actor and playwright wrote thrillers about the Civil War, such as *Secret Service*.

Answer: William **Gillette**

This playwright had mediocre success with plays like *Shore Acres*, but has become known since for works such as his harsh *Margaret Fleming*.

Answer: James **Herne**

He was best known as the novelist of *A Modern Instance* and others, but also wrote the short comic play *The Mouse Trap*.

Answer: William Dean **Howells**

21. FTP each, identify these geographical features of Central America.

This city on Nicaragua's Pacific coast is its capital.

Answer: Managua

This isthmus, and a nation of the same name, separates Costa Rica from South America.

Answer: Panama

Cancun, Mexico lies directly across this channel from Cuba.

Answer: Yucatan Channel

22. Answer these questions about psychology FTP each.

The word itself derives from what language.

Answer: Greek

Descartes erroneously believed that the mind and body communicated through this gland.

Answer: pineal

This American behaviorist described how his principles of conditioning could help create an ideal society in *Walden Two*.

Answer: B. F. Skinner