

TOSSUPS – ROUND 9 DENNIS HASKINS OPEN HS QUIZBOWL 2001 – UTC

Questions mostly by Nick Nuar, Michigan State U.

1. Properly speaking *Physalia physalis* is four separate interdependent organisms, a colony of polyp-like organisms. One of those, the pneumatophore, is the gas-filled membrane which supports the others. When the weather is bad, it deflates to float beneath the surface. It can cause shock, fever, and heart distress. FTP, identify a relative of the jellyfish also called a blue bottle

Answer: Portuguese **man-of-war** (accept bluebottle before it's said, but do not accept jellyfish)

2. Here no deformed child was allowed to live; boys began military drill at the age of 7 and entered the ranks at 20. From the ages of 20 to 60 all men were obliged to serve as hoplites in the army. This city-state developed as a military power that peaked after their victory in the Peloponnesian War. FTP name this city of ascetic warriors.

Answer: **Sparta**

3. It features a physician and a gallery manager who are wealthy, successful, and travel in a sophisticated social circle. Based on a short piece by Arthur Schnitzler, the stars of this movie have since divorced. Controversy over its supposedly shocking depiction of sexual exploration helped obscure the fact that it was, well, boring. FTP, what final directorial effort of Stanley Kubrick starred Nicole Kidman and Tom Cruise?

Answer: *Eyes Wide Shut*

4. He is aided by Homunculus in his attempt to seduce Gretchen. He is eventually saved despite seeing Helen of Troy and witnessing Walpurgis Night under the direction of Mephistopheles. FTP, name this scholar who sells his soul to a demon in a work by Johann Wolfgang von Goethe.

Answer: **Faust** (oh, OK, accept Faustus)

5. The first eyewitness account of this natural site is by Flemish monk Louis Hennepin. A 1597 sawmill was the first of many successful attempts to draw power from the 200,000 cubic feet of water that pass over it each second. FTP, name this tourist attraction in western New York.

Answer: **Niagara Falls**

6. This event will be preceded by three consecutive seasons of winter, then Skoll will devour the sun and Hati will eat the moon. Three cocks will crow, the dead will be raised, and battle will ensue between Fenris and Odin. After the universe is destroyed, a new world will begin with Líf and Lífthrasir. FTP, name this Norse day of doom, also the title of a Wagner opera.

Answer: **Ragnarok** or **Götterdämmerung**

7. As the chairman of the Republican National Committee in 1920, this Boston politician helped engineer the nomination of Warren G. Harding. He used his considerable clout to become majority leader of the Senate and chair of the Foreign Affairs Committee a year before, from which position he opposed US entry into the World Court. FTP, who, with Hiram Johnson and William Borah, headed the "irreconcilables" against Wilson's plan to enter the League of Nations?

Answer: Henry Cabot **Lodge**

8. Isolated in 1806 by German chemist F.W.A. Sertürner, this compound's chemical structure, determined in 1920, is differentiated from two similar drugs by its R, R prime, H bond sequence. Its salts are powerful analgesics but must be used cautiously because of their great addictiveness. FTP, what powerful alkaloid is similar to, but discovered before, other opiates like codeine and heroin?

Answer: **morphine**

9. This Fireside poet was first noticed when he contributed articles to William Lloyd Garrison's *Free Press* newspaper. He is also known as the Quaker poet, and was committed to the abolition of slavery. Best known for his pastoral poems such as *Legends of New England in Prose and Verse*, FTP, name this author of *Snow-Bound*.

Answer: John Greenleaf **Whittier**

10. "Milk & Honey," "Peaches & Cream," "Nicotine & Gravy," and "Debra" are all tracks on this 1999 release. Singles include "Mixed Bizness" and "Sexx Laws." FTP, name this follow-up to *Odelay*, Beck's most recent album.

Answer: *Midnite Vultures* (prompt on Beck)

11. The collection of his speeches and essays is listed on *Rage Against the Machine's* reading list and is titled *Ideas and Opinions*. In it you will find his fiercely satiric quotations like "Common sense is the collection of prejudices acquired by age 18." His later work showed how gravity bends light. FTP, name this winner of the 1921 Nobel Prize.

Answer: Albert **Einstein**

12. Though he studied neoclassical art, this painter developed his distinctive style after reading Humbert de Superville's "Essay on the Unmistakable Signs of Art." Many of his best-known paintings take place on the riverside, like 1884's *Bathing at Asnières* to *Port-en-Bessin*. Paintings like *Les Poseuses*, depicting three dumpy models, illustrate his distinctive style, most famously executed in *Sunday Afternoon on the Island of la Grande Jatte*. FTP, who is most closely associated with "pointillism?"

Answer: Georges **Seurat**

13. As personal confessor to Queen Isabella he convinced her that assimilated Sephardic Jews and Muslims were a threat to the Catholicism of Spain. As a result she helped secure him powers to convert the infidels by any means necessary, most of which were pretty gruesome. FTP name the first Grand Inquisitor of the Spanish Inquisition, whom Mel Brooks portrayed in one of filmdom's most bizarre musical numbers.

Answer: Tomas de **Torquemada** (pronounced like you can't "talk 'em oudda" anything.)

14. In the 18th century, Alexander Pope said the Greek poet Homer and this were the same. William Wordsworth wrote in "Tintern Abbey" that he worshipped this because it never betrayed a loving heart. Ralph Waldo Emerson said it transformed him into a transparent eyeball. The dictionary lists 13 definitions from "character" to "scenery." FTP, name this idea, the cornerstone of Transcendentalism.

Answer: **nature**

15. The arrest of Sir Roger Casement caused a planned rural insurgency to fall through, but Patrick Pearse and Tom Clarke went ahead with pre-existing plans and took over post offices and other government buildings on April 24th, 1916. The event's long-term effect was to create five-year power vacuum, but the short term saw nearly a week of heavy fighting in Dublin. FTP, identify this abortive rebellion, staged in Ireland on a religious holiday.

Answer: **Easter** Rising or Easter Rebellion

16. This occurs every year during roughly the same time as the Leo portion of the horoscope. Its radiant, or the point back to which all the meteors can be traced, is near the star which shares a similar name. It is linked to the passage of the Swift-Tuttle comet. FTP, name this meteor shower, which peaks around August 12th or 13th.

Answer: **Perseids**

17. Pencil and paper ready: For a quick ten points, what is the determinant of the matrix whose first row is 1,2 and whose second row is 3,4?

Answer: -2 ($1 * 4 - 2 * 3$)

18. This literary term was first used by Franz Roh in an essay about the “Objectivist” paintings of George Grosz and Otto Dix. Used by such authors as the Australian Aborigine Mudrooroo Narogin, it was given a rigorous definition by Alejo Carpentier, a Cuban author. FTP, what style juxtaposes mythic traditions and objective depictions, and has been used by Julio Cortázar, Jorge Amado, and other Latin American authors?

Answer: **magic realism** or magical realism

19. This composer’s operatic output, much of which was completed by other musicians, includes *Khovanshchina* and *Boris Gudonov*. His unfinished opera *Sorotchinsk Fair*, based on a Gogol story, draws heavily on Russian folk themes, but the opera is best remembered for producing a memorable “single.” FTP, what Russian composer is probably known for the short, dark classic *Night on Bald Mountain*?

Answer: Modest Petrovich **Mussorgsky**

20. She was the first woman to appear on U. S. currency, on the back of the 1875 \$20 bill. After converting to Christianity she took the name Rebecca and had a son named Thomas. She died of smallpox in Great Britain on the eve of her return to Virginia. Her real name was Matoaka, and she was the daughter of Powhatan. She married John Rolfe, but for ten points, name this Indian maiden best remembered for saving John Smith’s life.

Answer: **Pocahontas**

21. Samuel Johnson and John Bunyan exhibited this type of neurosis, described by the psychologist Sir Aubrey Lewis as occurring in both primary and secondary varieties. FTP, in what type of neurosis might a person who fears contamination wash her hands repeatedly for fear of germs on the tap?

Answer: obsessive-compulsive disorder or obsessive-compulsive neurosis

22. On March 4th, this company’s CEO, Jack Stahl, resigned as part of major restructuring. Earlier this year, the company entered a joint venture with Nestle to sell ready-made tea and coffee, and it paid a pretty penny for Harry Potter-related advertisements. Perhaps these moves will offset the effects of last year’s failed attempt to acquire Quaker Oats. FTP, name this soft-drink giant based in Atlanta.

Answer: Coca-Cola or, grudgingly, Coke

23. Originally written by either James Upham or Francis Bellamy, both of Boston, it was first used at the National School Celebration in 1892. Expanded in 1923, 1924, and 1954, its final addition was “under God.” FTP name this short statement of loyalty, which is recited to the American flag.

Answer: Pledge of Allegiance

24. Technically, it’s unstable. Fortunately, it will probably be thousands of years before anyone sees it decay to a more stable state; so don’t throw any out. They’re worth around \$15,000 an ounce. FTP, what’s the name of this hard allotrope of carbon.

Answer: Diamond

BONI – ROUND 9

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1. Identify the chemical law, for ten points each.

The pressure and volume of an enclosed gas are inversely proportional.

Answer: Boyle's Law

If a reaction is carried out in steps, the change in enthalpy for the reaction will equal the sum of the enthalpy changes for the individual steps.

Answer: Hess's Law

The solubility of a gas in the solution phase is directly proportional to the partial pressure of that gas over the solution.

Answer: Henry's Law

2. 30-20-10. Name the author, by his works.

30. Toad of Toad Hall, his dramatization of "Wind in the Willows."

20. When We Were Very Young and Now We Are Six

10. The House At Pooh Corner.

Answer: A.A. Milne

3. Why history majors are seldom shocked by the news, chapter 3. Answer the following about Nixon's scandals OTHER than Watergate FTPE:

a) By the time Nixon resigned, he had gotten a new Vice President to replace this one, who himself resigned and was convicted for taking kickbacks from building contractors while Governor of Maryland.

Answer: Spiro **Agnew**

b) In 1973 this wealthy Tampa shipbuilder was convicted of making a huge illegal contribution to Nixon's 1972 campaign. He later moved to New York to be closer to his new investment, a baseball team.

Answer: George **Steinbrenner**

c) Steinbrenner wasn't the first controversial millionaire tied to shady Nixon campaign financing. In 1960 this reclusive billionaire aircraft designer was revealed to have made an illegal million dollar loan to Nixon.

Answer: Howard **Hughes**

4. Write down this list of fruits: Cherry, Lemon, Lime, Grape, Strawberry, Raspberry, Apple, Orange, and Pineapple. Now for ten points apiece:

First: Give me the five flavors on this list that are Life Savers' Five Flavors.

-- Cherry, Lemon, Lime, Orange, Pineapple

Second: The four flavors in a regular pack of Starburst Fruit Chews.

-- Cherry, Lemon, Orange, Strawberry

Finally, What five flavors are found in a regular pack of Skittles?

-- Lemon, Lime, Grape, Strawberry, Orange

5. Given a brief description, identify the computer language for ten points each.

A. Introduced in 1956, this language is the standard computer language for scientist and mathematicians. John Backus and an IBM team developed the language.

Answer: Fortran [Formula Translator]

B. Named for the woman who wrote programs for Babbages' "analytical engine." It is based on Pascal and used by the military.

Answer: Ada

C. First used for mathematics, this language is useful to airlines for complex routing and scheduling. Introduced by Kenneth Iverson of IBM in 1961.

Answer: APL [A Programming Language]

6. FTP each, name these classical music terms.

This is a composition for voice and accompaniment that is generally designed for small, private settings.

Answer: **cantata**

This is an un-staged, grand composition for a vocal soloist and instruments.

Answer: **oratorio**

This is generally the actual text of an opera, and is sometimes used to describe the texts of oratorios and ballets.

Answer: **libretto**

7. Identify each pair of literary lovers, 5 points for each name:

a) He travels through the Inferno and Purgatory searching for her; she guides his way through Paradise.

Answer: **Dante** and **Beatrice**

b) He shows up at her North African doorstep a refugee from Troy. She falls for him, but the gods call him to Italy, so he abandons her. She throws herself on a burning pyre. The end.

Answer: **Dido** and **Aeneas**

c) When her father learns of their affair, the enraged patriarch castrates him. Both rather embarrassed, they part and become servants of God. For the rest of their lives, however, they correspond passionately.

Answer: Peter **Abelard** and **Heloise**

8. Identify this hierarchy of African Kingdoms FTP each.

Situated between the Sahara Desert and the headwaters of the Senegal and Niger rivers, it was the first great kingdom in western Africa, rising around 700.

Answer: **Ghana**

This empire replaced Ghana as the most powerful state in 1200.

Answer: **Mali**

In 1500, this empire conquered Mali.

Answer: **Songhai**

9. Identify the philosopher from quotations. Each correct answer is worth ten points.

a. "Man is by nature a political animal"

Answer: Aristotle

b. "The life which is unexamined is not worth living"

Answer: Plato

c. "There is only one good, Knowledge, and one evil, ignorance"

Answer: Socrates

10. Name these athletically-inclined cousins, 5 for one member of the pair and 15 for both.

Both Eastern-conference All-Stars, one throws down dunks for Toronto and the other is the only exciting thing about the Orlando Magic.

Answer: Vince **Carter** and Tracy **McGrady**

One was a surprising success at QB for the New Orleans Saints and the other is widely projected as the first QB to be taken in the 2001 NFL draft.

Answer: Aaron **Brooks** and Michael **Vick**

11. Identify the Shakespearean play from the quotes given on a 30-20-10 basis.

(30) "More sinned against than sinning"

(20) "That way madness lies" and "Every inch a King"

(10) "How sharper than a serpent's tooth it is to have a thankless child."

Answer: King Lear

12. One result of the quantum revolution in 20th-century physics was the discovery of an enormous collection of subatomic particles, sometimes known affectionately as the "particle zoo." How well do you know this menagerie? For five points each, I'll name a subatomic particle and you tell me whether it's a baryon, lepton, or meson.

- | | |
|--------------|------------------|
| a.) Proton | A. <u>Baryon</u> |
| b.) Electron | A. <u>Lepton</u> |
| c.) Muon | A. <u>Lepton</u> |
| d.) Neutron | A. <u>Baryon</u> |
| e.) Pion | A. <u>Meson</u> |
| f.) Neutrino | A. <u>Lepton</u> |

13. Name the following concerning the Revolutionary war for the stated number of points.

The two battles that mark the beginning of the American Revolution, for five points each.

Answer: Battles of Lexington and Concord

FTP, these hills outside Boston were fortified with captured artillery in the successful effort to drive out the British.

Answer: Dorchester Heights

F5PE name the final battle of the war and the British commander who surrendered as the band played "The World Turned Upside Down."

Answer: Battle of Yorktown and Gen. Charles Cornwallis

14. Give the name of each trio from Greek mythology, for the stated number of points.

- | | |
|---|----------------------|
| a) For 5 points: Clotho, Lachesis, Atropos | A. the <u>Fates</u> |
| b) For 10 points: Aglaia, Euphrosyne, Thalia | A. the <u>Graces</u> |
| c) For 15 points: Leucosia, Ligea, Parthenope | A. the <u>Sirens</u> |

15. For ten points each, give the scientific name for each of these cells.

- | | |
|----------------|-----------------------|
| 1) Nerve cell | -- <u>neuron</u> |
| 2) Kidney cell | -- <u>nephron</u> |
| 3) Platelet | -- <u>thrombocyte</u> |

16. 30-20-10 Identify the author from the works.

30: Shampoo Planet

20: Life After God

10: MicroSerfs, Generation X

Answer: Douglas Coupland

17. For ten points each identify these units in the English system expressed in terms of other English units.

- | | |
|-------------------------------|--------------------------|
| a) 550 foot-pounds per second | A. 1 <u>Horsepower</u> |
| b) 14 pounds | A. 1 <u>Stone</u> |
| c) 8 furlongs | A. 1 statute <u>Mile</u> |

18. Identify these regions associated with Argentina FTPE.

1. The setting for the improbable movie *Eversmile New Jersey*, this arid southern region includes the industrial port Comodoro Rivadavia and the resort city San Carlos de Bariloche. Its name suggests wilderness and isolation, and is thus perfect for a popular brand of sporting outerwear.

Answer: **Patagonia**

2. This flat central grassland region is home to Argentina's cattle industry, third largest in the world until the recent discovery of foot-and-mouth disease there. Its name comes from a Quechua word meaning "flat," and its largest city is Buenos Aires.

Answer: **Pampas** (or Pampa)

3. Drained by the Pilcomayo and Bermejo Rivers, this flat lowlands region includes much of northern Argentina, as well as adjacent areas of Paraguay and Bolivia. Hard clay soil and god-awful cycles of drought and flood make agriculture difficult, but Bolivia and Paraguay fought over it in the 1930s anyway, largely because of the red quebracho wood which supplies most of the world's tannin. The largest city on the Argentine side is Resistencia.

Answer: **Gran Chaco** (prompt on Chaco)

19. For 5 pts each, with a bonus for all five, given the modern military aircraft nickname, provide the letter number designation

F-14

Answer: Tomcat

A-6

Answer: Intruder

SR-71

Answer: Blackbird

F-4

Answer: Phantom

F-111

Answer: Aardvark

20. Given a Queen of England, name the royal house to which she belongs FTP each.

Elizabeth II

Answer: **Windsor**

Anne

Answer: **Stuart**

Victoria

Answer: **Hanover** or Hanoverians

21. For the stated number of points, name these influential figures in economics.

5 points. This man, along with Karl Marx, co-wrote the *Communist Manifesto*.

Answer: Friedrich **Engels**

10 points. Also a sociologist, he is best known for "On Liberty" and *Principles of Political Economy*.

Answer: John Stuart **Mill**

15 points. Marx partly adapted this man's theory, which stated that the price of a consumer good was directly related to the number of labor hours that went into producing it.

Answer: David **Ricardo**

22. Answer these questions about 19th century France for the stated number of points.

FTP each, name the two largest political parties in the French legislature by 1870.

Answer: **Republicans** and **Liberals**

FTP, this President succeeded Jules Grevy after a crisis over the popular Gen. Georges Boulanger. He was the grandson of the man nicknamed the "organizer of victory" in 1793.

Answer: Marie Francois **Sadi-Carnot**