

1998 Princeton Buzzerfest II
Finals Tossups

1. Some of its approximately one thousand current inhabitants include Symphonie, Hispasat 1B, and various IntelSats and Applications Technology Satellites. The portions that happen to lie over the equator are apportioned by the International Telecommunication Union. FTP, identify this highly desirable layer of real estate approximately thirty six thousand kilometres above the earth's surface.

GEOSYNCHRONOUS ORBIT or CLARKE ORBIT (accept
GEOSTATIONARY ORBIT; it's a subset of geosynchronous orbits)

2. This French author discussed adolescent love in *Le Ble en Herbe*, in which Phil and Vinca discover each other, and Mme Dalleray, by the Breton seashore. She covers an affair between an older woman and a younger man in the novel *Cheri*. She spent part of her life as a music-hall performer before writing her novels. Name this author who is said to have exclaimed "She is Gigi!" when introduced to Audrey Hepburn.

COLETTE

3. Two answers required. They're certainly not the best of friends, but they'll at least have to learn to share their "winnings." One is a 61-year old Catholic from Londonderry, while the other is a 54-year old Protestant. They are both pleased, however, with the recognition given to their common cause. FTP, name the winners of the 1998 Nobel Peace Prize, for their work in bringing peace to Northern Ireland.

John HUME and David TRIMBLE

4. You've probably never heard of a country named Fyrom (FYE-rahm). While the government of this republic, led by President Kiro Gligorov, would have preferred it to have always been known by another name, pressure was exerted by the Greek government to prevent this. Allegedly the preferred name of this nation, along with its original symbol, the star of Vergina, implied a claim on a region of Greece with the same name. FTP, name this former Yugoslav republic which shares its name with the ancient empire ruled by Alexander the Great.

Former Yugoslav Republic of MACEDONIA

5. This famous painter died on March 19, 1997 in East Hampton, NY, after a long struggle with Alzheimer's Disease. Sometimes known as the "American Picasso", his series "Woman I-IV" caused a sensation with its with its violent imagery and impulsive, energetic technique. FTP, name this Dutch-born American master who was one of the leading exponents of Abstract Expressionism, particularly the form known as Action painting.

Willem de KOONING

6. The dialect of this region is the oldest Semitic dialect still preserved. The northern limit of the region stretched past the modern cities of al-Fallujah and Baghdad. To the south lay Sumer. FTP, name this historical region of central Iraq ruled circa 2300-2150 BC by Sargon and his descendants and which was named after its chief city, Agade.

AKKAD

7. Carolina Cougars, Denver Nuggets, UCLA Bruins, New Jersey Nets, Kansas Jayhawks, San Antonio Spurs, Los Angeles Clippers, Indiana Pacers, Philadelphia 76ers. These are the stops in the 26-year coaching career of one of the NBA's most fickle but most successful head coaches. For ten points, name this former University of North Carolina point guard, the only man to lead all four former ABA teams as an NBA head coach.

Larry BROWN

8. This physicist may hold the record for shortest dissertation. In its two pages, this Frenchman made a major theoretical assertion which had never been observed experimentally. The phenomenon he described is now the basis for electron and neutron diffraction, as well as countless freshman physics problems about the wavelength of a fastball. FTP, identify the conceiver of "electron wavelength" recipient of the 1929 Nobel Prize for his theory of matter waves.

Louis-Victor-Pierre-Raymond, duc DE BROGLIE

9. In this Booker-Prize winning novel, Siegfried Sassoon protests against the conduct of WWI and ends up in a mental hospital, being treated for war neuroses even though he is completely sane. There he meets Wilfred Owen and forms a friendship with his psychiatrist, who himself suffers from a kind of war neurosis. It belongs to a trilogy, the other two books of which are *The Eye in the Door* and *the Ghost Road*. FTP, name this Pat Barker novel which was recently made into a film.

REGENERATION

10. He made it into Princeton's Class of 1917 but never graduated. Born into a wealthy Minnesota family, his Irish heritage gave him an interesting take on the dazzling prospects of American life. He ended up leaving Princeton to serve in the Army, but he never saw action. Instead, he worked on his first novel. The success he met with the novel's publication allowed him to marry Zelda Sayre, the daughter of an Alabama judge. He imitated his characters, living a rich, intoxicating life that led him to breakdown. For 10 points, name this author of *The Last Tycoon*, a novel left unfinished at his death that many critics consider his finest work.

Francis Scott Key FITZGERALD

11. Now a province of Pakistan, in the nineteenth century it was the scene of numerous campaigns pitting the British army against tribes such as the Pathans, Mohmands, and Chitralis. FTP, Name this mountainous area shared by Pakistan and Afghanistan.

NORTHWEST FRONTIER

12. This man was the hero of a widely sung U.S. black folk ballad. Writers and artists see in him a symbol of man's foredoomed struggle against the machine. FTP, name this man, and in so doing, the name of the song about a contest with a steam drill in which the title character wins, but afterwards dies "with his hammer in his hand".

John HENRY

13. The snood was a traditional Scottish sign of it. In THE STORY OF CIVILIZATION, Will Durant asks what "changed [it] from a fault into a virtue" and answers the question: "Doubtless it was the institution of property." Gregory of Nyssa and Basil of Ancyra wrote entire treatises on it. FTP, name this state of being attributed to King Wenceslas, Saint Cecelia, Elizabeth Tudor, and most academic competition aficionados.

VIRGINITY (prompt on synonyms if answered before the Durant quote)

14. He was portrayed in the 20th century as "sensitive, intelligent, and kindly," but friends of the murdered Travis family probably thought otherwise. When he and his band converged on Jerusalem, Virginia, in 1831, they did not know that they were making history. For 10 points, name this man whose "confessions" helped William Styron win the Pulitzer Prize in 1968.

Nat TURNER

15. After exhausting the names of mythological figures, scientists named them after heroines from Wagnerian operas, and then after wives, friends, flowers, cities, colleges, pets, and even favorite desserts. One is named for a computer (NORC). The thousandth one is named Piazzia and number 1001 is Gaussia. Others are named Washingtonia, Hooveria, and Rockefelleria. For ten points what are they?

ASTEROIDS

16. He was born in 1864, the son of a widely celebrated horn player who saw to his early musical education. His music forms a bridge between 19th-century German romanticism and the new order of the 20th century. He served briefly in the Nazi regime, but was exonerated in 1948, the year before his death. For ten points, name this composer "Don Juan", "Don Quixote", "Till Eulenspiegel's Merry Pranks" and "Thus Spake Zarathustra".

Richard STRAUSS

17. He appears as an English nationalist in Shakespeare's Richard II. The fourth son of Edward III, though he never was king, he did father Henry Bolingbroke, later Henry IV, along with a line of kings and claims to the throne. FTP, identify this man, perhaps more popularly known as the founder of the house of Lancaster.

JOHN OF GAUNT

18. After receiving a through ball at midfield, he was off on a mad individual dash for glory. One of the most memorable moments in the 1998 world cup, this man went left, then right, and fired a shot from the top of the penalty area, beating Argentinian goalie Carlos Roa. Name this 18 yr. old English soccer star.

Michael _OWEN_

19. He opposed science in favor of the antirational and mystical and postulated change as the basis for all reality. For him, time was a continuous flow in which past and present were inseparable from the memory and consciousness. This theory is perhaps most notably embodied in Proust's Remembrance of Things Past. His chief works include Creative Evolution, Time and Free Will, and Laughter. FTP, name this Jewish/French philosopher.

Henri _BERGSON_

20. According to Biblical tradition, this people came from Crete, and evidence now suggests that they came from the Greek archipelago. They formed a confederation of five cities: Ashod, Ascalon, Ekron, Gath, and Gaza. For ten points name these people who so stubbornly held the land of Canaan that it was subsequently named after them.

the _PHILISTINES_

21. Bounty, Chatham, Campbell, Antipodes, Kermadec, Steward, North, and South, are all islands of, For ten points, what nation of the South Pacific?

NEW ZEALAND

22. Construction of this city began sometime in the late ninth century under king Yasovarman I. It reached its height with the construction of the Great Temple of Suryavarman near the northern shore of Tonle Sap in the twelfth century, and has been decaying ever since. Recently it has served as a hideout for rebels opposing the regime of Heng Samrin. For ten points "wat" is the name of this ancient Khmer capital, home to a famous "wat".

ANGKOR (do not accept Angkor Wat)

23. The bacillus, Yersinia pestis, enters the stomach of Xenopsylla cheopis, the common flea, where it feeds parasitically on blood taken in by the flea and is regurgitated into the

host. The host, usually the European Black Rat, dies quickly and the flea must find another host, often human. The outbreak only ends when there no more hosts or the fleas die out. For ten points what is this disease, which killed 28 percent of all the Cardinals of the Roman Catholic Church in 1348?

BLACK PLAGUE (or BLACK DEATH)

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Finals Bonus Questions

1. Identify the poet from lines of poetry, FTPE.

A. And with tears of blood he cleansed the hand,

The hand that held the steel:

For only blood can wipe out blood,

And only tears can heal.

Oscar _WILDE_ "The Ballad of Reading Gaol"

B. Look for me by moonlight;

Watch for me by moonlight;

I'll come to thee by moonlight, though hell should bar the way!

Alfred _NOYES_ "The Highwayman"

C. He was my North, my South, my East and West,

My working week and Sunday rest,

My noon, my midnight, my talk, my song;

I thought that love would last forever: I was wrong.

W. H. _AUDEN_

2. Answer the following questions on compression for ten points each.

A. This simple form of data compression converts characters to variable-bit-length symbols, so that often-repeated characters get the shortest symbols. The distribution of character probabilities must be known beforehand to maximize compression.

HUFFMAN ENCODING

B. "Beware of geeks bearing GIFs" - that is, the ubiquitous Graphics Interchange Format files on the web. FTP identify the online service giant of the 1980's and 1990's that created, and technically owns the copyright to, the GIF

COMPUSERVE

C. High but lossy compression ratios can be achieved by using frequency analysis and decomposing the graphic into bands of different frequency to emphasize portions of high and low detail. FTP, name this method of compression used by the FBI to store its fingerprints.

WAVELET COMPRESSION

3. Answer these drug-related questions:

10 pts: This "brain-on-drugs" organization actually receives almost all its funding through donations from tobacco, alcohol, and pharmaceutical companies.

PARTNERSHIP FOR A DRUG FREE AMERICA

10 pts: The Pentagon estimates \$50 million in new pharmaceutical spending on this drug in year alone, getting a rise out of some tight fisted Washington bureaucrats.

VIAGRA

5 pts: This former Mr. Universe headed up President Reagan's drugtask force in the 1980's.

Arnold _SCHWANTZENEGGER_

5 pts: My roommate once had a friend who drank 300 doses of this drug in liquid form. He didn't die, but is now considered legally insane 60 times over.

LSD

4. For such a large continent, Asia contains and has contained some fairly small nations. For the stated number of points, identify the following:

A. FFP, This Islamic sultanate on the island of Borneo is smaller than the state of Delaware.

BRUNEI (or Negara Brunei Darussalam)

B. FTP, This eastern-Himalayan Buddhist kingdom, roughly half the size of Indiana, has its capital at Thimphu.

Kingdom of _BHUTAN_ (or Druk-Yul)

C. F15P, This former Himalayan kingdom, less than a sixth the size of Bhutan, has been part of India since 1975.

SIKKIM

5. Under threat of NATO intervention, the Yugoslav government recently agreed to end its military crackdown in the formerly autonomous region of Kosovo, though whether it will actually do so is unclear.

A. For five points, name the former Serbian President and current president of Yugoslavia who ordered the crackdown.

Slobodan _MILOSEVIC_

B. For ten points, name either the capital of Kosovo or the other formerly autonomous region of Serbia.

PRISTINA ; _VOJVODINA_ (VOY-vo-deen-ah)

C. For fifteen points, name either the non-violence-advocating unofficial president of Kosovo, or the anything but non-violent Deputy Prime Minister of Serbia, former leader of the paramilitary White Eagles during the war in Bosnia and Croatia, who in 1991 threatened to "butcher the Croats, not with knives, but with rusty spoons."

Ibrahim _RUGOVA_ is the "president"

Vojislav _SESELJ_ is the Serb Deputy PM.

6. Given the last line of the piece of American literature, name the author and work it is from for the stated number of points.

5: "Who knows, but that, on lower frequencies, I speak for you."

RALPH _ELLISON_'S_ _INVISIBLE MAN_

10: "Nowadays the world is lit by lightning! Blow out your candles, Laura- and so goodbye..."

TENNESSEE _WILLIAMS_'_ _THE GLASS MENAGERIE_

15: "There is more day to dawn. The sun is but a morning star."

H.D. _THOREAU_'S_ _WALDEN_

7. For the stated number of points, name the U. S. state, given its highest mountain.

(5) Mt. Rainier _WASHINGTON_

(10) Mt. Katahdin _MAINE_

(15) Borah Peak

IDAHO

8. For 15 points each, identify these peculiarly named "models" from chemistry.

A) As atomic number increases, the weak nuclear force is increasingly taxed by the repulsive coulombic force between protons in the nucleus. This explains the patterns of unstable isotopes in the periodic table.

The LIQUID DROP Model

B) Before Rutherford's gold foil experiments demonstrating the anisotropy of the atom, subatomic particles were believed to be distributed through the atom like raisins in this dessert.

The PLUM PUDDING Model

9. Name the following Japanese W.W.II leaders FTP apiece.

A. Commander in chief of Japan's Combined Fleet, he won Pearl Harbor but garnered less-than-stellar results from the Midway and Solomon campaigns.

Isoroku YAMAMOTO

B. Called the "Tiger of Malaya," he led the successful attack on Singapore. He was hanged in 1946 for failing to prevent war crimes in the Philippines.

Tomoyuki YAMASHITA

C. After the fall of the Tojo cabinet, this general served as Japanese Prime minister. He resigned when U.S. troops landed in Okinawa.

Kuniaki KOISO

10. 30-20-10-5, Give the shared name.

30: A Missouri city by this name--the seat of Jasper County--was the site of a July 5, 1861 battle.

20: Joseph Smith, founder of Mormonism, was killed by a mob in the Illinois city of this name in 1844.

10: The Exarchate of this name was a semiautonomous African province of the Byzantine Empire that was ruled by the Emperor Maurice and occupied mainly by Berbers

5: Dido founded a city of this name, and Hannibal lost the battle of Zama near it.

CARTHAGE

11. Name the sports franchise that plays, or will play, its home games in the corporately named stadium, five for each, thirty for all five:

A. Houlihan's Stadium _TAMPA BAY_ or _BUCCANEERS_

B. Miller Park _MILWAUKEE_ or _BREWERS_

C. Alltel Stadium _JACKSONVILLE_ or _JAGUARS_

D. Labatt Park _MONTREAL_ or _EXPOS_

E. Ericsson Stadium _CAROLINA_ or _PANTHERS_

12. Identify these Prime Ministers, FTPE

A. The PM of Italy who just stepped down.

Romano _PRODI_

B. The PM of Russia before Primakov and after Chernomyrdin.

Sergei _KIRIYENKO_

C. Name the new PM of Japan.

Keizo _OBUCHI

13. On October 22, 1946 he inked the date and place on a piece of glass. Then he electrostatically charged a chemically treated metal plate. He aimed light on the glass and plate, sprayed the plate with dye and pressed a piece of paper to the metal. When the sheet was pried off, the date and place was visible. Thus was born a process. For 15 points each name the process and the inventor

XEROGRAPHY (accept Xeroxing or photocopying)

Chester _CARLSON_

14. Most all College-Bowlers can rattle off the Seven Wonders of the Ancient World without even thinking. Well, now for a bit of a challenge and five points apiece of course and for possible 30 points, name any six of the Seven Wonders of the Middle Ages.

The _COLOSSEUM_ at Rome

The _CATACOMBS_ at Alexandria

The _GREAT WALL_ of China

The _LEANING TOWER OF PISA_

The _MOSQUE OF ST. SOPHIA_ (or HAGIA SOPHIA) at Constantinople

The _PORCELAIN TOWER_ of Nanking

STONEHENGE.

15. (30-20-10) Identify these mythological/actual group of people.

(30) They are said to have inhabited originally the island of Aegina and to have emigrated with Peleus into Thessaly, but modern scholars also suppose that a colony of them may have emigrated from Thessaly into Aegina. One theory states that they take their name from a mythical son of Zeus who was the father of Actor

(20) Another theory states that their name is from the ants in Aegina, into which they are supposed to have been changed in the time of Aeacus.

(10) They are best known as the trusty followers of Achilles

MYRMIDONS

16. Name the British general, 30-20-10.

30. While as commander of the third army during WWII, he was evacuated from the beach at Dunkirk and became the commander of the Southern England defense zone.

20. He served as deputy supreme commander of NATO from 1951 to 1958.

10. He is perhaps best known for leading the 8th army to victory over Rommel's Afrika Korps at El Alamein.

Bernard Law _MONTGOMERY_

17. Identify this substance on a 30-20-10 basis

(30) Its chemical name is ortho-benzosulfimide; it was discovered accidentally in 1879 by Remsen and Fahlberg.

(20) In its neutral state, it is only slightly water-soluble, but its sodium and calcium salts are highly soluble, and it is in this form that it usually appears as a food additive.

(10) Its chief value arises from the fact that it is about 300 times as sweet as sugar. It had previously come under suspicion as a possible carcinogen

SACCHARIN

18. The center of medieval life was the church, and most art and architecture went into building these shrines. For ten points each identify the part of a church being described below (Hint: They all start with A):

A. The vaulted, semicircular, or semipolygonal wall recess of a hall, such as on the sanctuary end

APSE

B. A processional passageway around a shrine or flanking the apse

AMBULATORY

3. A lateral division of the church parallel to the main central space of the nave and separated from it by arches

AISLE

19. From the 1830s the Abolition movement began to take off, and several newspapers of this political leaning were founded. Who founded the following influential abolitionist newspapers?

A. (5) The North Star

Frederick _DOUGLASS_

B. (5) The Liberator

William Lloyd _GARRISON_

C. (10) The Genius of Universal Emancipation

Benjamin _LUNDY_

D. (10) The Philanthropist

James Gillespie _BIRNEY_

20. 30-20-10 identify this individual in the music industry...

30: When he was seventeen, he visited Vienna and played for Mozart, who remarked to his friends "Keep an eye on him- he will make a noise in the world some day"

20: He studied with Haydn in Vienna at the expense of Elector Max Friedrich, but Haydn and he did not get along. The aging Haydn said "He has learned nothing and will never do anything in decent style"

10: He lived from 1770 to 1827, but in his late twenties, he started to lose his hearing.

Ludwig von _BEETHOVEN_

21. Louis's XIII through XVI ruled France for 183 straight years, which averages out to almost 46 years per Louis. For 10 points--give me the familial relationship between:

- 1) Louis XIII and Louis XIV _FATHER-SON_
- 2) Louis XIV and Louis XV _GREAT-GRANDFATHER-GREAT-GRANDSON
- 3) Louis XV and Louis XVI _GRANDFATHER-GRANDSON_

22. 30-20-10, Name the writer from clues

30: His two autobiographical volumes were Present Indicative (1937) and Future Indefinite(1954).

20: His two most famous songs were "Don't Put Your Daughter on the Stage, Mrs. Worthington" and "Mad Dogs and Englishmen."

10: Two of his most popular plays were Private Lives and Blithe Spirit.

Sir Noel _COWARD_