Tossup 1: Social Studies
Q: What was Woodrow Wilson's policy toward the civil war in Mexico called?
A: Watchful Waiting
Bonus 1:
Q: According to the Triple A, what are the five most traveled-to cities by car?
A: Orlando, FL Branson, MO Yellowstone, WY San Diego, CA Lancaster, PA

Tossup 2: Mathematics
Q: The value of a new car decreases $35 \%$ during the first year. If you paid $\$ 6000$ for a new car, $w$ would be its value at the end of one year?
A: \$3900
Bonus 2:
Q: Identify the following scientists:

1) Father of Taxonomy
2) Pioneer of Antiseptic Surgery
3) Pioneered surgical use of dimethyl ether

A: 1) Carolus Linneaus
2) Joseph Lister
3) Crawford Long

Tossup 3: Mathematics
Q: A plane travels at a rate of 240 miles per hour. What is the rate in miles per second?
A: $1 / 15$ miles per second or .0666 miles per second
Bonus 3:
Q: What are the three main types of coral reefs?
A: Fringing reef, Barrier reef, Atoll

Tossup 4: Language Arts
Q: What word means pertaining to or derived from a horse?
A: Equine
Bonus 4:
Q: I'll name a historical event, and you name the year in which it occurred:

1) Castro assumes power in Cuba
2) Soviet suppression of the Hungarian Revolution
3) The Cuban Missile Crisis
4) Nuclear Test Ban Treaty
5) Korean War ended

A: 1) 1959
2) 1956
3) 1962
4) 1963
5) 1953

Tossup 5: Fine Arts
Q: What is Australia's unofficial national anthem?
A: "Waltzing Matilda"
Bonus 5:
Q:Answer the following questions about nitric acid:

1) What is its formula?
2) What is its molecular weight (to the nearest whole number)
3) What is the name of the acid formed by mixing 3 parts hydrochloric acid and 1 part nitric which will dissolve gold?
A : 1) HNO3
4) 63
5) Aqua Regia

Tossup 6: Literature
Q: Billy Pilgrim is a prisoner of war in what book by Kurt Vonnegut, Jr.?
A: Slaughterhouse Five
Bonus 6:
Q: The humerus bone is the upper arm bone. Name the four bones it touches.
A: Radius, Ulna, Scapula, Clavicle

Tossup 7: Literature
Q: Who won the Pulitzer Prize for his four volumes entitled Abraham Lincoln: The War Years?
A: Carl Sandburg
Bonus 7:
Q: Answer the following types of government

1) Government by officials who are regarded as divinely guided
2) Government in which the power is held by citizens entitled to vote through direct represent
3) Belief that no government is the best government

A: 1) Theocracy
2) Republic
3) Anarchism

Tossup 8: Social Studies
Q: What was the first US state to to be made from the Louisiana Purchase?
A: Missouri
Bonus 8:
Q: I'll name an athlete and you name their sport:

1) Steve Cauthen
2) Nancy Lopez
3) Bobby Hull
4) Bob Lemon
5) Dorothy Hamil

A: 1) Horse Racing
2) Golf
3) Hockey
4) Baseball
5) Figure Skating

Tossup 9: Science
Q: What quantum of light energy is the carrier of electromagnetic interaction?
A: Photon
Bonus 9:
Q: Answer the following about the Dreyfuss Affair

1) In what country did this case cause division for many years?
2) Captain Alfred Dreyfuss was convicted of what?
3) To what prison was he sent in 1894 ?
4) Who later proved him innocent and allowed him to be released in $1906 ?$

A: 1) France
2) Passing military secrets or Spying (not treason)
3) Devil's Island
4) Major Esterhazy

Tossup 10: Mathematics
Q: Find $f(x+3)$ when $f(x)=x^{2}+8 x$ (f of $x$ plus three when $f$ of $x$ equals $x$ squared plus eight $x$ )
A: $x^{2}+14 x+33$ ( $x$ squared plus fourteen $x$ plus 33 )
Bonus 10:
Q: Identify the poets of the following poems:

1) "Conquistador"
2) "Stopping by Woods on a Snowy Evening"
3) "Easter 1916"
4) "Song of the Open Road"

A: 1) Archibald MacLeish
2) Robert Frost
3) William Butler Yeats
4) Walt Whitman

Tossup 11: Literature
Q: What Canadian poet is known for the ballad The Shooting of Dan McGrew?
A: Robert W. Service
Bonus 11:
Q: Name the National Hockey League award for the following:

1) Leading scorer
2) Outstanding defenseman
3) Rookie of the Year
4) Most gentlemanly player

A: 1) Ross Trophy
2) James Norris Memorial Trophy
3) Calder Memorial Trophy
4) Lady Byng Memorial Trophy

Tossup 12: Social Studies
Q: What Revolutionary War veteran led a farmers rebellion in 1786-1787?
A: Daniel Shays
Bonus 12:
Q: What three works which produced National Book Awards for Nobel Prize winner Saul Bello A: The Adventures of Augie March, Herzog, Mr. Sammler's Planet

Tossup 13: Science
Q: What fundamental constant in nature determines what values are allowed for physical quantit quantum mechanics?
A: Planck's Constant or $h$
Bonus 13:
Q: Find the remainder obtained when the polynomial $x^{5}-32$ ( $x$ to the fifth minus 32 ) is divided

1) $x-1$
2) $x+1$
3) $x+2$
4) $x-2$

A: 1) -31
2) -33
3) -64
4) 0

Tossup 14: Science
Q: What are hollow rocks lined with quartz crystals called?
A: Geodes

## Bonus 14:

Q: I'll name a structure and you name the architect:

1) Geodesic domes at the US Pavilion, Expo ' 67 in Montreal
2) Pan-Am building, New York City
3) The White House
4) Pyramid at the Louvre, Paris

A: 1) R. Buckminster Fuller
2) Walter Gropius
3) James Hoban
4) I. M. Pei

Tossup 15: Fine Arts
Q: Who is credited with the development of the philosophy of Scientology?
A: L. Ron Hubbard
Bonus 15:
Q: Identify the American writer of the following works:

1) Three Stories and Ten Poems
2) Three Soldiers
3) Three Lives

A: 1) Ernest Hemingway
2) John dos Passos
3) Gertrude Stein

Tossup 16: Fine Arts
Q: Who photographed James K. Polk on February 14, 1849 in the first presidential photograph?
A: Matthew Brady
Bonus 16:
Q: Answer the following about the famous "Monkey Trial:"

1) Who was the instructor brought to trial for teaching evolution?
2) What lawyer defended the teacher?
3) Who was the chief lawyer for the prosecution?
4) Name the state in which the trial took place.
5) What play by Jerome Lawrence and Robert E. Lee portrayed the trial?

A: 1) John T. Scopes
2) Clarence Darrow
3) William Jennings Bryan
4) Tennessee
5) Inherit the Wind

Tossup 17: Math
Q: What is the tangent of 120 degrees?
A: negative root three or negative square root of three
Bonus 17:
Q: Spell the following words:

1) Jurisprudence
2) Cafetorium
3) Totalitarianism
4) Halitosis
5) Valedictorian

A: 1) J U R I S P R U D E N C E
2) C AFETORIUM
3) T O T A LITARIANISM
4) H A LIT OSIS
5) V A LEDICTORIAN

Tossup 18: Language Arts
Q: What is a series of words, phrases or sentences that have a similar grammatical form called?
A: Parallelism
Bonus 18:
Q: I'll name a historical event and you name the year in which it occurred:

1) Creation of NATO
2) Passage of the Taft-Hartley Act
3) General MacArthur fired by President Truman
4) Independence granted to the Phillipines

A: 1) 1949
2) 1947
3) 1951
4) 1947

Tossup 19: Literature
Q: Whose experience in a Russian clinic became the novel Cancer Ward?
A: Alexander Solzhenitsyn
Bonus 19:
Q: What are the valences of the following common ions:

1) Acetate
2) Bisulfate
3) Chlorate
4) Ferrocyanide
5) Phosphate

A: 1) negative 1
2) negative 1
3) negative 1
4) negative 4
5) negative 3

Tossup 20: Math
Q: A tennis ball bounces exactly half as high as it did on the first bounce. It bounces 128 feet on $t$ ] first bounce. How high does it bounce on the twelfth bounce?
A: $1 / 16$ foot or $3 / 4$ of an inch or .75 inches
Bonus 20:
Q: Identify the following US Presidents:

1) Who was the only president to serve as foreign minister to Spain?
2) Grover Cleveland appointed what former US President ambassador to Paraguay and Urug
3) Which US President once served as ambassador to France, Great Britain, and Holland?
4) Which US President served as first ambassador to Russia and then the Court of St. James?

A: 1) James Monroe
2) Ulysses S. Grant
3) John Adams
4) John Quincy Adams

Tossup 21: Science
Q: Miranda is the crater-stricken moon of what planet?
A: Uranus
Bonus 21:
Q: Identify the trilogy of plays found in Eugene O'Neill's trilogy Mourning Becomes Electra.
A: Homecoming, The Hunted, The Haunted

Tossup 22: Social Studies
Q: What body of water lies between Egypt and the Sinai Peninsula?
A: The Gulf of Suez
Bonus 22:
Q: Name the five leaders of the Army of the Potomac during the US Civil War.
A: Gen. George McClellan, Gen. Ambrose E. Burnside, Gen. Joseph Hooker, Gen. George Meade, Gen. Ulysses S. Grant

Tossup 23: Literature
Q: What 28 year old socialist's novel told of Jurgis Rudkus and the Chicago Stockyards?
A: Upton Sinclair
Bonus 23:
Q: For each of the following functions, determine the period in degrees

1) $y=\tan x$ (y equals tangent of $x)$
2) $y=-\cos x$ (y equals negative cosine $x$ )
3) $y=-2 \cos (1 / 2 x) \quad$ (y equals negative 2 cosine one half $x$ )
4) $y=-1 / 2 \sin (2 x) \quad$ (y equals negative one half sine two $x$ )

A: 1) 180 degrees
2) 360 degrees
3) 720 degrees
4) 180 degrees

Tossup 24: Math
Q: Describe the set of points with equation $2 x^{2}+4 x-3 y^{2}+y-2=0$
A: Hyperbola
Bonus 24:
Q: Answer the following about our young US Presidents:

1) Who was the youngest man to become US President?
2) Give the minimum age for anyone to hold the office of US President
3) Who was the youngest man elected US President ?

A: 1) Theodore Roosevelt
2) 35 years old
3) John F. Kennedy

Tossup 25: Science
Q: Madame Curie used what instrument to measure the radioactivity of Uranium ore?
A: Electroscope
Bonus 25:
Q: State the conic section that is the graph of each of the following equations:

1) $9 x y=4(9 x y$ equals 4$)$
2) $x^{2}-4 y=28$ ( $x$ squared minus $4 y$ equals 28)
3) $y^{2}=9 x^{2}+1$ (y squared equals $9 x$ squared plus 1 )
4) $x^{2}=5-y^{2} \quad$ ( $x$ squared equals 5 minus $y$ squared)

A: 1) Hyperbola
2) Parabola
3) Hyperbola
4) Circle

Tossup 26: Literature
Q: What province of China is the subject of Samuel Taylor Coleridge's Poem "Kubla Khan?"
A: Xanadu
Bonus 26:
Q: What five US states that were formed out of the Northwest Territory?
A: Illinois, Wisconsin, Indiana, Ohio, Michigan

Tossup 27: Social Studies
Q: Molly Pitcher brought water to her husband and his fellow soldiers at what battle of the Ame Revolution?
A: The Battle of Monmouth
Bonus 27:
Q: Identify the following animals that feed on herbaceous plants:

1) Animals that feed on leaves of trees
2) Animals that feed on fruit
3) Animals that feed on seeds

A: 1) Foliovores
2) Frugivores
3) Graminovores

Tossup 28: Miscellaneous
Q: What honorary scholarly fraternity was founded in 1776 at the College of William and Mary? A: Phi Beta Kappa

Bonus 28:
Q: Emeralds are a valuable green gemstone. In what three countries are most emeralds mined?
A: Colombia, Brazil, Russia

Tossup 29: Social Studies
Q: Which Anglo-Saxon king codified English law in 604, and was converted to Christianity in 59 by St. Augustine?
A: Ethelbert
Bonus 29:
Q: Identify the following hats and facts about hats:

1) A hat with a wide, high crown and wide brim, popular in the western states
2) A maker or seller of women's hats
3) A wide-brimmed hat made of tropical leaves, as worn in Latin America
4) A wide-brimmed Mexican or Spanish hat of felt or straw

A: 1) Stetson or ten gallon hat
2) Milliner or millinery
3) Panama hat
4) Sombrero

Tossup 30: Science
Q: What was the US space program between 1960 and 1963 which used one-man capsules?
A: Mercury
Bonus 30:
Q: According to the Illinois Rules of the Road, identify the color of each of the following signs:

1) Distance, direction, and information
2) Construction and maintenance warning
3) General warning
4) Public recreation areas

A: 1) Green
2) Orange
3) Yellow
4) Brown

Tie breaker: Science
Q: What term describes the ejection of electrons from a metal surface when light falls on it?
A: Photoelectric

Tossup 1: Literature
Q: Who was the Roman goddess of flowers?
A: Flora
Bonus 1:
Q: I'll give you a leg and the hypotenuse, and you give me the other leg of the right triangle:

1) Leg 30 , Hypotenuse 50
2) Leg 120, Hypotenuse 150
3) Leg 40, Hypotenuse 58
4) Leg 27, Hypotenuse 123

A: 1) 40
2) 90
3) 42
4) 120

Tossup 2: Math
Q: How many diagonals does a heptagon have?
A: 14
Bonus 2:
Q: Identify the country in which each of the following martial arts originated:

1) Aikado
2) Shaolin Boxing
3) Kendo
4) Karate

A: 1) Japan
2) China
3) Japan
4) Japan

Tossup 3: Science
Q: What condition exists when the earth, moon and sun are aligned, as in a new moon and full mo
A: Syzygy
Bonus 3:
Q: I'll identify what the hormone does and you name it:

1) Regulates blood sugar level
2) Affects the circulatory system in an emergency or prepares the body in time of stress
3) Regulates metabolism or regulates the body's use of oxygen and nutrients

A: 1) Insulin
2) Epinephrine or Adrenaline
3) Thyroxine

Tossup 4: Language Arts
Q: Spell the word which means the attribution of human shape or characteristics to gods, objects, animals
A: A N T H R O P O M OR P HIS M
Bonus 4:
Q: Identify the US President with his campaign slogan:

1) "He kept us out of war"
2) "A return to normalcy"
3) "Prosperity is just around the corner"
4) "Whip inflation now"

A: 1) Woodrow Wilson
2) Warren G. Harding
3) Herbert Hoover
4) Gerald R. Ford

Tossup 5: Literature
Q: In Greek legend, what son of Atreus and King of Mycenae led the expedition against Troy?
A: Agamemnon
Bonus 5:
Q: What three elements are present in a fertilizer bag marked 20-10-20?
A: Nitrogen, Phosphorous, Potassium

Tossup 6: Math
Q: What is the frequency distribution with a gradual slope to the left?
A: Negative skew
Bonus 6:
Q: Identify the year in which the following occurred:

1) Americans land on the moon
2) Nixon visits China
3) US enters the Korean conflict
4) Nixon resigns

A: 1) 1969
2) 1972
3) 1950
4) 1974

Tossup 7: Miscellaneous / Health
Q: What is the carrier of African Sleeping Sickness?
A: Tsetse fly
Bonus 7:
Q: What are the strokes in a 4-cycle engine?
A: Intake, Compression, Combustion, Exhaust

Tossup 8: Science
Q: What spacecraft was the first to visit Jupiter on December 10, 1973?
A: Pioneer 10
Bonus 8:
Q: Name the four types of seizures identified with epilepsy.
A: Grand Mal, Petite Mal, Jacksonian, Psychomotor

Tossup 9: Social Studies
Q: Who was the director of the FBI from 1924 to 1972 ?
A: J. Edgar Hoover
Bonus 9:
Q: Answer the following concerning magnetism:

1) The property of materials that are slightly attracted by a very strong magnets
2) The property of materials that are feebly repelled by very strong strong magnets
3) The SI unit of magnetic flux

A: 1) Paramagnetism
2) Diamagnetism
3) Weber

Tossup 10: Literature
Q: The Antipholus twins and Dromio twins are found in what play be William Shakespeare?
A: The Comedy of Errors
Bonus 10:
Q: Given a cube with a side of 6 inches, answer the following

1) What is the length of the diagonal of a face?
2) What is the length of the diagonal of the cube?
3) What is the surface area of the cube?
4) What is the volume of the cube?

A: 1) 6 root 2 inches or 6 times the square root of 2 inches
2) 6 root 3 inches or 6 times the square root of 3 inches
3) 216 square inches
4) 216 cubic inches

Tossup 11: Math
Q: Given the fourth line in Pascal's triangle is 1464 1, identify the next row of numbers.
A: 15101051
Bonus 11:
Q: Identify the playwrights of the following:

1) The time of Your Life
2) There Shall be no Night
3) Night of the Iguana
4) Winterset

A: 1) William Saroyan
2) Robert Sherwood
3) Tennessee Williams
4) Maxwell Anderson

Tossup 12: Miscellaneous
Q: Patents are granted for a term of how many years?
A: 17
Bonus 12:
Q: Identify the following:

1) Study of cells
2) Study of the causative factors of disease
3) Study of the nervous system
4) Study of fungi
5) Study of disease

A: 1) Cytology
2) Etiology
3) Neurology
4) Mycology
5) Pathology

Tossup 13: Social Studies
Q: What Amendment adopted in 1913 gave the states the right to elect senators by popular vote?
A: 17th
Bonus 13:
Q: Identify the author of the following short stories

1) "The Gold Bug"
2) "The Man that Corrupted Hadleyburg"
3) "The Bear"

A: 1) Edgar Allan Poe
2) Mark Twain or Samuel Clemens
3) William Faulkner

Tossup 14: Language Arts
Q: What is the origin and history of a word called?
A: Etymology
Bonus 14:
Q: Identify the following US Presidential candidates:

1) In 1872, who was the first woman to run for US President?
2) In 1920, what socialist candidate won over 900,000 votes?
3) Who was the first black American to run for the US Presidency?
4) Who was the first black American candidate for the US Vice-Presidency

A: 1) Victoria Woodhall
2) Eugene V. Debs
3) Jesse Jackson
4) Frederick Douglass

Tossup 15: Science
Q: Corticosterone and Hydrocortisone are produced in the outer part of what glands located abo the kidneys?
A: Adrenal
Bonus 15:
Q: Identify the mathematician responsible for the following:

1) The series $1,1,2,3,5,8,13,21$
2) A formula for the area of a triangle using only the lengths of the sides
3) A formula for finding roots and powers of complex numbers using the polar form

A: 1) Fibonacci or Leonardo of Pisa
2) Hero or Heron (of Alexandria)
3) DeMoivre

Tossup 16: Literature
Q: Who created the characters Squirrel Nutkin, Jemima Puddleduck, and Peter Rabbit?
A: Beatrix Potter
Bonus 16:
Q: Spell the following words:

1) Indefatigable
2) Gimmickry
3) Colloquialism
4) Scenario

A: 1) IN D E F A T I G A B L E
2) GIMMICKRY
3) COLLOQUIALISM
4) S C E N A R I O

Tossup 17: Social Studies
Q: What fortress in central Moscow holds the central offices of government?
A: The Kremlin
Bonus 17:
Q: I'll identify an island and you name the ocean in which it is found:

1) New Caledonia
2) Comoros Islands
3) Orkney Islands
4) Hebrides

A: 1) Pacific Ocean
2) Indian Ocean
3) Atlantic Ocean
4) Atlantic Ocean

Tossup 18: Fine Arts
Q: Whose sculptures are found in the capitol in Washington, DC, and the cathedral of St. John the Divine in New York City, but is best known for his massive Mount. Rushmore?
A: Gutzon Borglum
Bonus 18:
Q: Answer the following about the Tripolitan War:

1) What was another, more common name of the war?
2) Commodore Bainbridge and what other Commodore attacked Tripoli after the war of 181
3) What other country, along with the US, took part to capture and occupy Algeria?

A: 1) The War of the Barbary States or The Barbary War or The War of the Barbary Pirates
2) Stephen Decateur
3) France

Tossup 19: Social Studies
Q: what peninsula lies between the Chesapeake and Delaware Bays?
A: Delmarva Peninsula
Bonus 19:
Q: Identify the following Spanish terms:

1) Military leader or Dictator
2) Ranch or Ranchhouse
3) Afternoon nap or rest
4) Public square
5) Holiday or Religious festival

A: 1) Caudillo
2) Hacienda
3) Siesta
4) Plaza
5) Fiesta

Tossup 20: Science
Q: What is the empirical formula for Benzene?
A: CH
Bonus 20:
Q: Answer the following about the quote, "You furnish the pictures and I'll furnish the war"

1) To whom is the quote attributed?
2) To what famous western artist was this said?
3) What war is being mentioned?
4) In what year did it take place?

A: 1) William Randolph Hearst
2) Frederic Remington
3) The Spanish-American War
4) 1898

Tossup 21: Literature
Q: For which novel did Jame Michner receive his only Pulitzer Prize?
A: Tales of the South Pacific
Bonus 21:
Q: I'll name an piece of congressional legislation and you name the US President at the time:

1) The Mann-Elkins Act
2) The Pure Food and Drug Act
3) The Clayton Act
4) The Payne-Aldrich Tariff

A: 1) William Howard Taft
2) Theodore Roosevelt
3) Woodrow Wilson
4) William Howard Taft

Tossup 22: Math
Q: At which value of $x$ does $f(x)=x^{4}-x^{2}$ (f of $x$ equals $x$ to the fourth minus $x$ squared) have a relative maximum?
A: 0
Bonus 22:
Q: After the Precambrian era, identity the era from these descriptions:

1) The age of mammals and man
2) Evolution of animals with hard shells and skeletons
3) Age of Reptiles, with great reptiles dying at the end

A: 1) Cenozoic
2) Paleozoic
3) Mesozoic

Tossup 23: Math
Q: What quadrilateral is determined if diagonals are perpendicular?
A: Rhombus
Bonus 23:
Q: Answer the following about muscles:

1) A muscle with four heads
2) A muscle with three heads
3) Lack of muscle development
4) Excess development of the muscles

A: 1) Quadricep
2) Tricep
3) Atrophy
4) Hypertropy

Tossup 24: Science
Q: What is the common name of the disease conjunctivitis
A: Pink eye
Bonus 24:
Q: The treaty ending the Spanish-American war helped the US gain what three colonies of Spain
A: Phillipines, Puerto Rico, Guam

Tossup 25: Social Studies
Q: What was the name of the German parliament building from 1871-1945?
A: The Reichstag
Bonus 25:
Q: Identify the playwrights who wrote the following Pulitzer Prize winning works:

1) 1920: Beyond the Horizon
2) 1922: Anna Christie
3) 1928: Strange Interlude
4) 1933: Both Your Houses

A: 1) Eugene $O^{\prime}$ Neill
2) Eugene $O^{\prime}$ Neill
3) Eugene $O^{\prime}$ Neill
4) Maxwell Anderson

Tossup 26: Fine Arts
Q: Who wrote the scores for the Broadway musicals, On the Town, Wonderful Town, Candide, and West Side Story?
A: Leonard Bernstein
Bonus 26:
Q: Name the three largest Polish cities on the Vistula River.
A: Warsaw, Krakow, Gdansk or Danzig

Tossup 27: Science
Q: What element mixes with other metals to form alloys called amalgams?
A: Mercury
Bonus 27:
Q: Evaluate the following:

1) $3 \cos (60)+9 \sin (150)$ ( 3 times the cosine of 60 degrees plus 9 times the sine of 150 degrees)
2) $\sec ^{2}(40)-\tan ^{2}(40)$ (secant squared of 40 degrees minus tangent squared of 40 degrees)
3)     - $\sin$ (180) (negative one times the sine of 180 degrees)
4) $\sin ^{2}(70)+\cos ^{2}(70)$ (sine squared of seventy degrees plus cosine squared of seventy degree:

A: 1) 6
2) 1
3) 0
4) 1

Tossup 28: Social Studies
Q: What American founded the first Baptist church in America and established the colony of Rhc Island?
A: Roger Williams
Bonus 28:
Q: Identify the MKS electrical units for each of the following:

1) Current
2) Resistance
3) Capacitance
4) Induction
5) Potential Difference

A: 1) Ampere or Amp
2) Ohm
3) Farad
4) Henry
5) Volt

Tossup 29: Math
Q: What is the eighteenth derivative of $f(x)=x^{17}+3 x^{2}(x$ to the seventeenth plus three $x$ squared A: 0

Bonus 29:
Q: Identify the author of the following short stories:

1) "The Secret Life of Walter Mitty"
2) "The Short Happy Life of Francis Macomber"
3) "A Good Man is Hard to Find"
4) "The Daring young Man on the Flying Trapeze"

A: 1) James Thurber
2) Ernest Hemingway
3) Flannery O'Connor
4) William Saroyan

Tossup 30: Literature
Q: The German viewpoint of World War I is told in what novel by Erich Maria Remarque?
A: All Quiet on the Western Front
Bonus 30:
Q: Name the five types of welded joints.
A: Butt, Edge, Tee, Lap, Corner

Tie breaker: Sports
Q: Who was the first black American to win the US Men's National Singles Tennis Championshi
A: Arthur Ashe

Tossup 1: Social Studies
Q: While the French and Indian War was being fought in North America, what was was being fou in Europe?
A: The Seven Years' War
Bonus 1:
Q: I'll name a place, and you tell me its current name:

1) Nippon
2) Kampuchea
3) Siam
4) Hellas
5) Deutschland

A: 1) Japan
2) Cambodia
3) Thailand
4) Greece
5) Germany

Tossup 2: Math
Q: What is the relationship between two noncoplanar lines which, therefore, are neither parallel $n$ intersecting
A: Skew
Bonus 2:
Q: Identify the American author of the following novels:

1) The Virginian
2) Autobiography of Alice B. Toklas
3) The Scarlet Letter
4) Penrod

A: 1) Owen Wister
2) Gertrude Stein
3) Nathaniel Hawthorne
4) Booth Tarkington

Tossup 3: Science
Q: What is the class of organic compounds formed from the reaction of an acid with an alcohol?
A: Esters
Bonus 3:
Q: Give me the acid color of the following indicators:

1) Alizarin Yellow
2) Bromocresol Green
3) Methyl Orange
4) Phenolphthalein (FEE-nolf-THAY-leen)
5) Thymol Blue

A: 1) Yellow
2) Yellow
3) Red
4) Colorless
5) Red

Tossup 4: Health
Q: HIV and what other disease are the most common disease are carried by the blood?
A: HBV or Hepatitis B
Bonus 4:
Q: I'll name a US President's cabinet and you name the President

1) Kitchen Cabinet
2) The Brain Trust
3) Poker Cabinet
4) Medicine Ball Cabinet
5) Tennis Cabinet

A: 1) Andrew Jackson
2) Franklin Roosevelt
3) Warren Harding
4) Herbert Hoover
5) Theodore Roosevelt

Tossup 5: Literature
Q: A utopian community using principles of mass production and positive reinforcement is exp. in what novel by B. F. Skinner?
A: Walden II
Bonus 5:
Q: Spell the following words:

1) Circumlocution
2) Piscatorial
3) Defenestration
4) Dendrology
5) Bowdlerize

A: 1) CIRCUMLOCUTION
2) PISCATORIAL
3) DEFENESTRATION
4) D ENDROLOGY
5) B OW DLERIZE

Tossup 6: Math

A: $x \leq 9$ ( $x$ is less than or equal to 9 )
Bonus 6:
Q: Answer the following about the Watergate Affair:

1) In 1972, five men broke into the Democratic National Committee Headquarters at the Watergate Hotel in what city?
2) The five men were part of what committee known by a five-letter acronym
3) In what month did President Richard Nixon resign?

A: 1) Washington, DC
2) CREEP (Committee to RE-Elect the President)
3) August

Tossup 7: Science
Q: What heavy, soft, blue-gray metal is used in gasoline to stop knocking?
A: Lead
Bonus 7:
Q: Convert the following degree measures to radians, in terms of Pi. Give answers as reduced improper fractions or whole numbers:

1) 400 degrees
2) 330 degrees
3) 120 degrees
4) 540 degrees

A: 1) 20 over 9 Pi or 20 Pi over 9
2) 11 over 6 Pi or 11 Pi over 6
3) 2 over 3 Pi or 2 Pi over 3
4) 3 Pi

Tossup 8: Social Studies
Q: What is the only country which borders both the Red Sea and the Persian Gulf?
A: Saudi Arabia
Bonus 8:
Q: Mollusca can be divided into what three classes?
A: Gastropoda or Gastropods
Bivalvia or Bivalves
Caphalopoda or Cephalopods

Tossup 9: Current Events
Q: Who was the Hispanic Labor leader called the "Martin Luther King, Jr." of Hispanics?
A: Cesar Chavez
Bonus 9:
Q: Answer the following about Bacon's rebellion in 1673:

1) Give the first name of the rebellion's leader
2) In what colony did the rebellion take place?
3) In rebelling against the colony's conditions, what Governor had Bacon arrested?
4) What town was burned in the colony by Bacon supporters?

A: 1) Nathaniel
2) Virginia
3) Sir William Berkeley
4) Jamestown

Tossup 10: Language Arts
Q: "Doubting, dreaming dreams no mortal ever dared to dream before..." is an example of wha figure of speech?
A: Alliteration
Bonus 10: Miscellaneous
Q: According to the US Department of Agriculture, what four states have the most farms?
A: Texas, Missouri, Iowa, Kentucky

Tossup 11: Current Events
Q: In the Whitewater affair, billing records from what law firm are in question?
A: Rose
Bonus 11:
Q: Give the year for the following historical events:

1) Founding of Quebec
2) Defeat of the Spanish Armada
3) Georgia founded
4) Trade and Navigation Acts passed by Parliament
5) Massachusetts General School Act passed

A: 1) 1608
2) 1588
3) 1733
4) 1651
5) 1647

Tossup 12: Social Studies
Q: What US Civil War General succeeded William Tecumseh Sherman as Commander of the US Army in 1883?
A: Philip Henry Sheridan
Bonus 12:
Q: Name the trilogy of Edwin Arlington Robinson poems dealing with King Arthur.
A: Merlin, Lancelot, Tristram

Tossup 13: Math
Q: In terms of Pi , what is the volume of a right cone with radius 5 meters and height 24 meters.
A: 200 Pi cubic meters
Bonus 13:
Q: Name any four of the five Indian tribes who formed the federation in 1859 known as the five Civilized Tribes
A: Seminoles, Cherokee, Choctaw, Creek, Chickasaw

Tossup 14: Social Studies
Q: George Guess, George Gist, and George Guest were all sobriquets of what inventor of the Cherokee alphabet?
A: Sequoya
Bonus 14:
Q: Identify the following flower parts:

1) Slender stalk or filament capped by an anther
2) Style and stigma are called?
3) A ring of what forms the corolla?
4) A ring of what forms the calyx?

A: 1) Stamen
2) Pistil
3) Petals
4) Sepals

Tossup 15: Current Events
Q: What Republican presidential candidate finished third in the recent New Hampshire Primary
A: Lamar Alexander
Bonus 15:
Q: Answer the following concerning scientific instruments:

1) An electric meter designed to measure current
2) An electric meter used to measure the difference between two points in an electric circuit
3) An electric meter used to measure minute electric currents, the direction of a current, or a sudden change in current
A: 1) Ammeter
4) Voltmeter
5) Galvanometer

Tossup 16: Social Studies
Q: Who was Abraham Lincoln's Secretary of State?
A: William Henry Seward
Bonus 16:
Q: Name the four divisions of the National Hockey League new in 1993-1994
A: Northeast, Pacific, Atlantic, Central

Tossup 17: Literature
Q: A writer named Harry goes on a safari in what short story be Ernest Hemingway?
A: "The Snows of Kilimanjaro"
Bonus 17:
Q: Identify the wavelength of the following wave functions:

1) $y=A \sin (x-t) \quad Y$ equals $A$ sine of $x$ minus $t$
2) $y=A \sin (2 x-3 t) \quad Y$ equals $A$ sine of two $x$ minus three $t$
3) $y=A \sin (2 \pi x-2 \pi t) \quad Y$ equals $A$ sine of two pi $x$ minus two pit
4) $y=A \sin (2 x-2 t) \quad Y$ equals $A$ sine of two $x$ minus two $t$

A: 1) 2 Pi
2) Pi
3) 1
4) Pi

Tossup 18: Science
Q: What "blonde English girl" was inspired by Louis Leakey to live with wild chimpanzees?
A: Jame Goodall
Bonus 18:
Q: Identify the authors of these short stories:

1) "Everything that Rises Must Converge"
2) "Franny and Zooey"
3) "Welcome to the Monkey House"
4) "Tales of the Grotesque and Arabesque"

A: 1) Flannery O'Connor
2) J.D. Salinger
3) Kurt Vonnegut, Jr.
4) Edgar Allan Poe

Tossup 19: Literature
Q: What British Aristocrat poet wrote "The Destruction of Sennacherib?"
A: George Gordon, Lord Byron or Byron
Bonus 19:
Q: Identify these men of science:

1) The Cuban physician who proposed the yellow fever was transmitted by the mosquito.
2) Name the US Army pathologist and bacteriologist who proved that the aedes aegypti mosq carried yellow fever.
3) Name the US Sanitarian who controlled yellow fever through a control program during the building of the Panama Canal
A: 1) Carlos Juan Finlay
4) Walter Reed
5) William Crawford Gorgas

Tossup 20: Math
Q: Find dy/dx (dee why dee ex) if y equals $x$ times the square root of $x$.
A: $3 / 2 \sqrt{ } x$ or three halves root $x$ or three over two times the square root of $x$ or (other variatio
Bonus 20:
Q: Name any four of the six Indian groups which formed the six nations before the American Revolution.
A: Seneca, Mohawk, Tuscaroras, Onondaga, Oneida, Cayuga

Tossup 21: Literature
Q: A Nebraska farmer dies in World War I in what Pulitzer Prize winning novel by Willa Cathe A: One of Ours

Bonus 21:
Q: I'll give you an event, and you tell me who was president when it occurred:

1) First US man walked on the moon
2) The Lewis and Clark expedition begins
3) The first income tax was passed
4) The size of the United States doubled

A: 1) Richard Nixon
2) Thomas Jefferson
3) Woodrow Wilson
4) Thomas Jefferson

Tossup 22: Math
Q: What is the geometric mean of 16 and 49?
A: 28
Bonus 22:
Q: Identify the following literary terms:

1) Set of three related works by the same author
2) Short structure narrative or novel
3) Literature considered as art rather than for its moral or educational value
4) High-flown rhetorical style of writing

A: 1) Trilogy
2) Novella
3) Belle Lettres
4) Euphuism (sic)

Tossup 23: Literature
Q: What successful popular culture magazine was founded by Jann Wenner in 1967? On its cover, recently had a controversial photo of Jennifer Aniston.
A: Rolling Stone
Bonus 23:
Q: Identify the following musical pieces:

1) Piece of instrumental music written for one or more soloists and an orchestra
2) Musical composition for one or two instruments usually in three or four movements
3) A musical drama that is totally or mostly sung
4) Comic or lighthearted opera

A: 1) Concerto
2) Sonata
3) Opera
4) Operetta

Tossup 24: Math
Q: What is the numerical value of the cosecant of 210 degrees?
A: -2 (negative two)
Bonus 24:
Q:Answer the following questions concerning the periodic table of the elements:

1) What are the columns headed by Arabic numerals called?
2) What is a horizontal sequence of elements called?
3) What are short vertical columns without Arabic numeral headings called?
4) What elements are contained in the rightmost column of the table?

A: 1) Groups
2) Periods
3) Subgroups
4) Inert gases or Noble gases

Tossup 25: Science
Q: What element whose name is derived from the Greek for 'heavy' is found directly below Strontium on the periodic table?
A: Barium
Bonus 25:
Q: Spell the following words:

1) Ergonomics
2) Subterranean
3) Amalgamation
4) Scintillation

A: 1) ERGONOMICS
2) S UBTERRANEAN
3) A M ALGAMATION
4) S C I N T I L L A T I O N
5) M A U S O L E U M

Tossup 26: Social Studies
Q: What is the right of a state or federal government to take, with just compensation, property fo public good is called?
A: Eminent Domain
Bonus 26:
Q: Answer the follow with a word about Mexico:

1) A Mexican-American
2) Mexican cowboy or herdsman
3) Mexican hor d'oeuvre or dip of pureed avocado
4) Mexican sun-dried brick

A: 1) Chicano
2) Vaquero
3) Guacamole
4) Adobe

Tossup 27: Literature
Q: What Illinois World War II foreign correspondent wrote The Rise and Fall of the Third Reich an The Rise and Fall of Adolph Hitler?
A: William Shirer
Bonus 27:
Q: How many oxygen atoms are there in a single molecule of the following compounds:

1) Acetic acid
2) Formaldehyde
3) Hydrogen peroxide
4) Sulfuric acid

A: 1) 2
2) 1
3) 2
4) 4

Tossup 28: Science
Q: Found in the Mojave Desert, the most important source of what element is the mineral razorit
A: Boron
Bonus 28:
Q: Name any four of the five most common abrasives.
A: Emery, Flint, Garnet, Aluminum Oxide, Silicon Carbide

Tossup 29: Science
Q: What phase of the moon comes between the first half and the full moon?
A: Gibbous
Bonus 29:
Q: Evaluate the following:

1) $\sin (\pi)+\cos (\pi) \quad$ (sine of pi plus cosine of pi)
2) $\sin ^{2}(\pi)+\cos ^{2}(\pi)$ (sine squared of pi plus cosine squared of pi)
3) $\tan (\pi)(\sin (\pi)+\cos (\pi))$ (tangent of pi times the quantity sine of pi plus cosine of pi)
4) $\cot (\pi)$ (cotangent of pi)

A: 1) -1 (negative one)
2) 1
3) 0
4) undefined

Tossup 30: Fine Arts
Q: What English duo were responsible for the operetta The Pirates of Penzance?
A: Gilbert and Sullivan
Bonus 30:
Q: Name the American playwright for each of the following plays:

1) After the Fall
2) Ah, Wilderness
3) The Zoo Story
4) What Price Glory?

A: 1) Arthur Miller
2) Eugene $O^{\prime}$ Neill
3) Edward Albee
4) Maxwell Anderson

Tie breaker: Current Events
Q: What Saturday Night Live writer and actor's new book is titled, Rush Limbaugh is a Big Fat Idiot On the sketch comedy show, he played the cardigan-wearing Stuart Smalley.
A: Al Franken

