

1998 Penn Bowl 007: License to Buzz  
Toss- Ups by Virginia Tech A  
(Eliot Brenner, Ryan Gunderson, Dennis Loo, Jason Thweatt)

1. His last expedition to fortify the mouth of the Mississippi and to take portions of Mexico was a disaster ending in his being murdered by his own men on the Brazos River. Previous to this, he and his Indian assistant, Henri de Tonti, were famous fur traders, explorers, and expansionists. For ten points, name this French Jesuit explorer who claimed all lands watered by the Mississippi River for Louis XIV of France.

Answer: Sieur de *La Salle* or Robert *Cavalier*

2. (Geography) Gaining independence in 1991, this nation is bordered by Russia, Belarus, Poland, Slovakia, Hungary, Romania and Moldova. Its cities include Luts'k, Simferopol, Donetsk and Sevastopol, the former base of the Soviet Black Sea fleet. FTP, name this nation whose major rivers include the Dneister and the Dneiper, which was the site of the 1986 Chernobyl disaster

Answer: *Ukraine*

3. (Miscellaneous) He led a contingent of cadets from VMI to be the gallows guard at John Brown's execution. During the Civil War, his infantry was known as the "foot cavalry" for its ability to move quickly over long distances. Upon his death in 1863, Robert E. Lee sent his "affectionate regards," saying "He has lost his left arm but I, my right arm." FTP, name this man whose army defeated a Union army four times its size in his Valley campaign, who has Bernard Bee to thank for his most famous nickname.

Answer: Thomas J. "Stonewall" *Jackson*

4. (Fine Arts) Its three central acts are conventionally referred to as "Olympia," "Giulietta," and "Antonia," in recognition of the three successive objects of the hero's affections and its most famous element is the Barcarolle "Belle Nuit. Jules Barbier based the title character on an actual musician, critic, and contemporary of Beethoven, and the plot on several of the writer's fanciful tales. FTP, name the only grand opera of the popular and successful French operettist Jacques Offenbach.

Answer: *The Tales of Hoffmann* or *Les Contes d'Hoffmann*

5. (Science) An imbalance in the level of this hormone causes the fatigue and disorientation associated with jet-lag. Since the secretion of this hormone is stimulated in the absence of light, seasonal changes in it are associated with Seasonal Affective Disorder, which describes the fatigue and depression that often strike in the darker winter months. FTP, identify this secretion of the pineal gland, which can cause lightening of the skin by affecting the concentration of skin pigment.

Answer: *melatonin*

6. (History) The last remnant of the 700 year-old Caliphate of Cordoba, it was the last of the Arabic taifas to be reconquered by Christian forces. Forces under the direction of Ferdinand of Aragon defeated the armies of its last sultan, Boabdil, who according to legend, wept like a child upon surrendering the fortress at the Alhambra. FTP, identify this historic region of southern Spain and last Moorish bastion in Western Europe, whose occupation in 1492 ended the Christian Reconquest of the Iberian Peninsula

Answer: *Granada*

7. (Social Sciences) He wrote books such as *An Inquiry into the Nature of Peace and the Terms of its Perpetuation* and *Imperial Germany and the Industrial Revolution*, but is better known for his work in economics, in which he tries to apply Darwin's evolutionary theories to the study of modern economics. A graduate of Carleton College and a professor of political economy at the University of Chicago, he coined the term "pecuniary emulation." FTP, identify this economist and social critic who coined the term "conspicuous consumption" in *The Theory of the Leisure Class*.

Answer: Thorstein Veblen

8. (Literature/Philosophy) In 1324, he went to Avignon to defend himself against heresy charges, but was excommunicated four years later for taking the Franciscan side in the debate over apostolic poverty. His philosophical views, had they been more widely known, might have raised more ire, as he wished to sweep aside the scholastic attempts at solving metaphysical problems and replace them with a rigorous analysis of language. FTP, name the author of *Summa Logicae*, who is best remembered for penning the words, "Plurality of logical entities is not to be assumed without necessity," the "razor" with which he intended to shave away the worst philosophical excesses of Scotus and Aquinas.

Answer: William of Ockham

9. (Religions) Its last section, a listing of the daughters of Zeus, was to have continued into a much longer and now lost sequel, *Catalogue of Women*. It is usually relied on as the earliest canonical source of the Greek legends not included in the writings of Homer, particularly those dealing with the creation of the world and of the gods. FTP, name this "Genealogy of the Gods" traditionally ascribed to the eighth century B.C. poet Hesiod.

Answer: The *Theogony*

10. (Miscellaneous) He was apprenticed to John Hicks, a local architect, when he was 16. Returning home due to illness, he continued working as an architect while he wrote a novel, *The Poor Man and the Lady*, which was never published. His first published novel, *Desperate Remedies*, appeared in 1871, and within three years, he gave up architecture after the publications of *Under the Greenwood Tree* and *Far from the Madding Crowd*. FTP, name this author of *Tess of the D'Urbervilles*.

Answer: Thomas Hardy

11. (History) Its numbers originally included the Imperial Cup-Bearer, Marshal, and Sensechal, the Archchancellors of Italy, Gaul, and Germany, and the Margrave of Brandenburg. Those of Bavaria and Hannover came into existence later, with the latter being united with the British Crown in 1714 upon the accession of George I. They last performed their duty in 1792, after choosing Francis II, who abdicated the imperial throne in 1806. FTP, identify this class of high nobility, who from the 14<sup>th</sup> century until its end, were responsible for choosing the Holy Roman Emperor.

Answer: *Elector* (of the Holy Roman Empire)

12. (Literature/Philosophy) Their connection to the Greek god Dionysus led Aristotle to suggest them as possible precursors to the tragic form. Like the more restrained paeans, dedicated to Apollo rather than Dionysus, they began as improvised songs at drinking parties, but developed, in the hands of skilled writers like Simonides and Pindar, into refined literary works for public performance and competitions. FTP, identify this form of poetry, exemplified best in the modern canon by Dryden's *Alexander's Feast*, whose name has more recently become a byword for overly bombastic, wordy praise.

Answer: *dithyramb*

13. Apprenticed to Michael Wohlgemuth in 1486, this artist would later paint portraits of both his mentor and his father. In Basel, Switzerland, he finished his first, Saint Jerome Curing the Lion. He travelled greatly, painting scenes in Tyrolia, Germany, and Italy as he went. For ten points, name this painter and woodcutter of such works as The Four Apostles, Melancholia I, and a striking self-portrait, who was the greatest of the German renaissance painters.

Answer: Albrecht Durer

14. (Popular Culture) This franchise recently retired its number five in honor of a two-time Norris Trophy winner who was acquired by the franchise in September 1982, in a six-player trade with Montreal. Last spring, the franchise was engaged in another six player trade, sending three relatively young players to

Boston for Bill Ranford, Rick Tocchet and Adam Oates. FTP, name the franchise which moved into the MCI Center in December, whose best player to date, Rod Langway, wore that number five.

Answer: *Washington Capitals* (Either answer is acceptable.)

15. (Current Events) At the suggestion of Prince Charles, he was recently appointed to look after the inheritances of Princes William and Harry. A high school dropout, he got his start as a bank clerk, but he later got into politics and was elected to Parliament from Huntingdon. FTP, name this former Chancellor of the Exchequer who succeeded Lady Thatcher as Prime Minister in 1990.

Answer: John Major

16. (Literature/Philosophy) In 1912, he went on a tour of sorts, walking from Illinois to New Mexico and exchanging his poetry for food and shelter. These poems were collected in *Rhymes to be Traded for Bread*. His poems include "The Ghost of the Buffaloes" and "In Praise of Johnny Appleseed," but it was for a poem that he composed during his 1912 walking tour that he became most famous. FTP, name this poet who wrote "General William Booth Enters Into Heaven," and "The Congo."

Answer: Nicholas Vachel Lindsay

17. (Science) Born in Penzance, Cornwall, in 1778, he was hired at the age of twenty by Dr. Thomas Beddoes to carry out experiments for the Pneumatic Institution of Clifton, and his early work there resulted in a book on the physiological effects of inhaling nitrous oxide and other gases. However, he is better known for his electrochemical researches which lead to the discovery of sodium, potassium, calcium, magnesium, and strontium, and for his 1815 invention of the miner's safety lamp. FTP, name this English chemist, president of the Royal Society from 1820 to 1827, whose greatest discovery of all, it is often said, was Michael Faraday.

Answer: Sir Humphrey Davy

18. (Religions) Its religious use, and opposition to this use, go back at least to the time of Columbus, and records show it was first banned by Spanish missionaries in 1620. In 1918, Oklahoma Indians founded the Native American Church to protect its use, and similar organizations have challenged and overturned outright bans in many Western states. FTP, name this desert cactus whose flowers are chewed or brewed into a tea noted for its hallucinogenic properties, which makes up a fundamental part of the religious sacraments of the Ojibwa, Sioux, Navajo, Kickapoo, Osage, and other American Indian tribes.

Answer: *peyote*

19. (Popular Culture) The screenplay was written by Roald Dahl and its theme song was performed by Nancy Sinatra. The main character stages his own death in order to be less visible, so as to thwart SPECTRE's attempts to provoke war between the Soviet Union and the United States by abducting spacecraft from the two nations. FTP, name this Bond film starring Sean Connery which takes place in Japan.

Answer: *You Only Live Twice*

20. (Fine Arts) He was originally trained as a goldsmith, but was commissioned for sculpting projects as late as 1416. However, he is best known as an architect, designing such works as the basilican churches of San Spirito and San Lorenzo. His most outstanding engineering accomplishment was the dome of the Florence Cathedral. FTP, name this architect, who only turned to architecture after his disappointment at losing the commission to design the doors of the baptistry of Florence in 1401.

Answer: Filippo Brunelleschi

21. (Literature/Philosophy) The narrator of this novel experiences the work of the writer Bergotte, the

painter Elstir, the composer Vinteuil, and the actress Berma, then comes to the conclusion that art and dreams can make reality perceptible. The titles of its sections translate as "Swann's Way," "Within a Budding Grove," "The Guermandes Way," "Cities of the Plain," "The Captive," "The Sweet Cheat Gone," and "The Past Recaptured." FTP, name this novel by Marcel Proust.

Answer: *Remembrance of Things Past* (Accept *A la Recherche Du Temps Perdu*.)

22. (Social Sciences) In 1960, Chicago police arrested a Mexican-American laborer in connection with a murder. The police proceeded to question that man without allowing him to consult with his lawyer, leading to a landmark 1964 Supreme Court case. FTP, name this court case, in which the Supreme Court ruled that if police deny a suspect assistance of counsel, the information obtained during interrogations may not be used as evidence.

Answer: *Escobedo v. Illinois*

23. (Science) This constant relates the sum of the magnetic field strength and the magnetization vector to the magnetic flux. In Ampere's Law, it relates the current passing through a charge-carrying body, and the magnetic field around a closed path surrounding that body. FTP, identify this constant, having a value of four pi times ten to the minus seven Henries per meter, which is denoted by mu sub zero.

Answer: *permeability of free space* (Prompt on partial answers.)

24. (History) Its first territorial legislature met in 1855, and was overwhelmingly pro-slavery, but conflicts with anti-slavery forces forced the body to move from Fort Riley to Shawnee Mission. That same year, rival free-soilers wrote a constitution for the territory, but the issue seemed destined to be settled with bloodshed. The next year saw the sack of Lawrence by a pro-slavery "posse," and the retaliatory Pottawatomie Massacre, which was led by John Brown. FTP, identify this 34<sup>th</sup> state, whose "bleeding" stopped only after its free-staters secured its admission to the Union in 1861.

Answer: *Kansas*

25. (Religions) Founded in 1789, this member of the Anglican Communion had Samuel Seabury as its first presiding bishop. In 1979 it adopted a new Book of Common Prayer, replacing its 1928 edition. FTP, name this denomination, which holds the thirty-nine articles as the basis for its faith.

Answer: *Episcopal Church*

26. (Current Events) Time magazine recently reported that a family member of this company's founder will be named as that company's next chairman, replacing Alex Trotman when he retires at the end of 1999. This will make him the first family member to head the company since his great uncle retired in 1980, which will require him to split his time between running the company, and running the Detroit Lions. FTP, name this automaker which is halting production of the Thunderbird after this year.

Answer: *Ford Motor Company*. (The new chairman is William Clay *Ford*.)

27. (Popular Culture) The story line of the latest in this series of games begins with a narration describing a war thousands of years ago, in which the thunder god destroyed an entire civilization after Shinnok was banished from Earth. Previous plot lines include characters such as Kurtis Stryker and Jackson Briggs fighting to defeat Outworld menace Shao Kahn, and the actor Johnny Cage and the monk Liu Kang battling the sorcerer Shang Tsung. FTP, name this video game series, infamous for introducing the concept of the "fatality" to fighting games.

Answer: *Mortal Kombat*

28. (Fine Arts) The title character is in love with Edgardo of Ravenswood, but her brother, Lord Ashton, attempts to force her to marry Lord Bucklaw. She then goes insane and kills Bucklaw. FTP, name this opera, set in Scotland and based on a work by Sir Walter Scott, composed by Gaetano Donizetti.

Answer: *Lucia Di Lammermoor*

29. (Science) This effect is seen in atomic spectra, in which the atoms are in an externally applied magnetic field. Since the quantum number for angular momentum can only change by one in either direction, there are three possible spectral lines in the presence of a magnetic field instead of the one that is normally detectable. FTP, identify this effect, named after the Dutch physicist who, with H.A. Lorentz, won the 1902 Nobel Prize in Physics.

Answer: *Zeeman effect*

30. (Geography) It flows south out of the Katanga plateau and into Lake Kariba and then continues to its mouth in Mozambique a total of 1700 miles from its source. It forms the border between Zimbabwe and Zambia, and the first European to visit it was Dr. David Livingstone in 1851. FTP what is the name of this river where you can find Victoria Falls?

Answer: *Zambezi*

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Bonus Questions by Virginia Tech A  
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1. (Current Events) (30) An agreement for air routes between Japan and the United States is currently being negotiated. For 15 points each, answer these questions about it.

A. Name the primary opponent to Japan's negotiating stance, an airline based in Minneapolis-St. Paul, whose commercials have featured Nancy Kerrigan and B.B. King.

Answer: *Northwest Airlines*

B. Name the political cartoonist who is working for Northwest in their campaign to get "open skies". The world's most widely syndicated political cartoonist, his work appears in over 500 newspapers.

Answer: *Pat Oliphant*

2. (Miscellaneous) (30) Identify these riots, revolts, and rebellions for the stated number of points

A. (5) Of the prison riots which became commonplace in the U.S. during the 1970's, the most violent took place in 1971 at this New York correctional facility.

Answer: *Attica Correctional Facility*

B. (10) They occurred in 532 AD, when two factions of rival charioteers, the Blues and the Greens, united to oppose the rule of Justinian. Suppressed by Belisarius, the defeat of the rebellion signaled a new era of absolute rule in the Byzantine Empire

Answer: *Nikka riots (rebellion, insurrection)*

C. (15) On June 2, 1780, a mob led by an English nobleman rioted in London, in objection to the repeal of anti-Catholic laws. Scenes common during these riots, such as the burning of Catholic chapels and private homes and the storming of Newgate Prison are recorded in Dickens's novel *Barnaby Rudge*

Answer: *Gordon riots*

3. (Fine Arts) (30) Name the composer, 30-20-10.

(30) As a professor of chemistry at the Medico-Surgical Academy of Saint Petersburg, he published research papers in the 1860's and 1870's on aldehydes and amines.

(20) After composing some songs and assorted chamber music, he was encouraged by Balakirev to begin the first of his three symphonies, and completed it in 1867. His other orchestral work is "On the Steppes of Central Asia".

(10) In addition to writing the operas *The Tsar's Bride* and *The Bogatirs*, he collaborated with Rimsky-Korsakov, Cui, and Mussorgsky on *Mlada*. But the most important opera this member of the "Mighty Five" wrote is *Prince Ivan*, with its famous "Polovtsian Dances".

Answer: *Alexander Borodin*

4. (Religions) (30) Identify the archangel from clues for 10 points each.

A. This chief warrior angel slays a dragon in Revelations 12 and in Book 12 of *Paradise Lost*, he escorts Adam and Eve out of Eden.

Answer: *Michael*

B. He accompanies and assists Tobias in the Apocryphal Book of Tobit, while in the middle books of



*Paradise Lost*, he soliloquizes on the creation of the world and the war among the angels in heaven.

Answer: *Raphael*

C. Named "Light of God", this angel is typically considered to be the angel of prophecy. In Book 3 of *Paradise Lost*, he is tricked into letting Satan enter the Garden of Eden.

Answer: *Uriel* or *Oriel*

5. (Popular Culture) (30) Given a recent story line, identify the comic strip for 10 points each.

A. Lenny Dunn and his wife are abducted because of Lenny's "coming out" as the title character, even though the title superhero is really someone else.

Answer: *The Amazing Spider-Man* (Prompt on partial answers.)

B. Clyde is appointed to finish Lacey's term in Congress and declares "And I'll be telling the President to shove it!"

Answer: *Doonesbury*

C. Tommie is asked to look into mysterious deaths at the hospital at which she works as a nurse.

Answer: *Apartment 3-G*

6. (Current Events) (30) Answer these questions about the continuing White House fund-raising "scandal" for the stated number of points.

A. (5) Identify the Utah Republican and Senate Judiciary Committee Chairman who said that the phone calls were "technical violations of the law...I don't think that's what we're interested in."

Answer: Senator Orrin Hatch

B. (10) Name the 1939 law that the President and Vice President might have violated, which forbids such solicitation in federal buildings.

Answer: *Hatch Act*

C. (15) Identify the Georgia Republican Representative and former federal prosecutor who has introduced a bill of impeachment into the House of Representatives.

Answer: Representative Robert Barr

7. (Literature/Philosophy) (30) Identify the Eugene O'Neill work from a description for 10 points each.

A. This trilogy, consisting of *Home-coming*, *The Hunted*, and *The Haunted*, dramatizes the murder of Brigadier General Ezra Mannon by his wife Christine and her lover Adam Brant.

Answer: *Mourning Becomes Electra*

B. This autobiographical play presents the development, in the course of a single day, of the characters of Edmund and Jamie Tyrone, and their struggles with a domineering father and drug-addicted mother.

Answer: *Long Day's Journey into Night*

C. The last of O'Neill's plays produced during his lifetime, it purports to tell the story of a later episode in

the life of Jamie Tyrone. Mr. Hogan and his giantess daughter Josie plot to get their landlord drunk so that Josie can seduce him and force him to marry her.

Answer: *A Moon for the Misbegotten*

8. (Science) (30) Answer these questions about a famous curve for the stated number of points.

A. For 10 points, identify the curve defined as the locus of a point on a circle that rolls along a straight line.

Answer: *cycloid*

B. A Swiss mathematician demonstrated that the cycloid is the curve of quickest descent for a particle moving between two points in a gravitational field. For 5 points each, identify the mathematician and the problem he thus solved.

Answer: Johann Bernouilli , *Brachistochrone* problem

C. A particle sliding on a cycloid will exhibit simple harmonic motion whose period will be independent of the starting point. For 10 points, what property of the cycloid does this describe?

Answer: *tautochrone* property

9. (History) (30) Identify these decisive battles of ancient history for the stated number of points.

A. (5) In this battle of 480 B.C., the Athenians under Themistocles routed a Persian fleet under Xerxes, turning the tide of invasion away from Greece.

Answer: *Salamis*

B. (15) Despite being outnumbered 5 to 1, Alexander the Great crushed the Persians under Darius III, gaining mastery over Asia at this 331 B.C. battle.

Answer: *Arbela* – Gaugamela

C. (10) Julius Caesar established himself as the sole ruler of Rome when he defeated Pompey in Greece at this 48 B.C. battle.

Answer: *Pharsulus* or *Pharsala*

10. (Fine Arts) (30) Identify the artist, 30-20-10.

(30) His teacher was presumed to be Masolino Da Panicale. His innovations in one-point perspective can best be seen in his frescoes in the Brancacci Chapel of Santa Maria del Carmine.

(20) Born Tommaso Guidi, he lived for only 27 years. His other innovations included the chiaroscuro technique later used by Caravaggio.

(10) His frescoes include *Tribute Money* and *Expulsion of Adam and Eve from Eden*.

Answer: *Masaccio* (Accept Tommaso Guidi on the 30-point clue.)

11. (Religions) (30) Answer these questions about nymphs for the stated number of points.

A. Four varieties of nymphs preside over different realms of the natural world.

For 5 points per answer, identify the variety of nymph which had as its province, each of the following: forests, rivers, seas, and mountains.

Answer: *dryads* or *hamadryads* , *naiads* , *nereids* , *oreads* (answers need not be in order)



B. For 10 points, identify the nymph, also the Roman goddess of fruits, who was wooed by the youth Vertumnus in the guise of an old lady.

Answer: *Pomona*

12. (Geography) (30) Name these Arctic Ocean islands from a description for 10 points each.

A. Consisting of two islands on the east side of the Barents Sea, it is considered a northern continuation of the Ural Mountain range, and its name means "New Land" in Russian.

Answer: *Novaya Zemelya*

B. The world's tenth largest island, it separates Lincoln and Baffin bays, and contains Cape Columbia, the most northerly point in Canada.

Answer: *Ellesmere* Island

C. The main island of the Svalbard group on the west side of the Barents Sea, it was formerly a whaling outpost. In 1920, an international treaty gave mining rights to 10 countries and sovereignty to Norway, but today, only Norway and Russia maintain coal mines there.

Answer: *Spitsbergen*

13. (Literature/Philosophy) (30) For the stated number of points, name these thinkers associated with the Pragmatist movement in America.

A. (5) Believing that "the concept had meaning not only if it had experiential consequences, but if belief in it had experiential consequences," His works in philosophy include *Pragmatism* and *Essays in Radical Empiricism*

Answer: William *James* (Prompt on partial answers.)

B. (10) A professor at University of Chicago and Columbia University, he is best known for applying pragmatism to education in the first three decades of this century. His writings espouse instrumentalism, often summed up as "learning by doing."

Answer: John *Dewey*

C. (15) After quitting his job as a cartographer for the U.S. Coast Geodetic Survey, this logician retired to a farm in Milford, Pennsylvania, in the early 1890's to work his own elaborate metaphysical and logical system. His articles "The Fixation of Belief" and "How to make our Ideas Clear" espoused his own doctrine of 'pragmaticism'.

Answer: Charles Sanders *Peirce*

14. (Social Science) (30) Identify the social scientist, 30-20-10.

(30) While a faculty member at the University of California at Berkeley, he refused to sign a loyalty oath during the anti-Communist hysteria of the early 1950s. This resulted in his dismissal from the faculty.

(20) He left Germany in 1933, stopping briefly in Denmark before emigrating to the U.S. To mark the identity change in his own life, he took a new last name, by which he is now known.

(10) He theorized that psychosocial development occurred in eight stages, ranging from trust vs. mistrust during infancy to integrity vs. despair in old age.

Answer: Erik Homberger *Erikson*

15. (Science) (30) For 10 points each, given a Looney Toons character, identify the mammalian order of which each is a member.

(A) Speedy Gonzalez  
*Rodentia* or *Rodents*

(B) Sylvester the Cat  
*Carnivora* or *Carnivores*

© That kangaroo that Sylvester thinks is a giant mouse  
*Marsupials*

16. (Literature/Philosophy) (30) Answer the following questions about Gulliver's Travels for the stated number of points each.

A. For 5 points, what was Gulliver's first name?

Answer: *Lemuel*

B. For 10 points, what was his profession?

Answer: A ship's *physician* (Accept equivalents.)

C. For 5 points for two, 10 points for three, and 5 for all four, name the four lands that Gulliver visits in his travels.

Answer: *Lilliput* , *Brobdingnag* , *Laputa* , *Houyhnhnmland*

17. (Popular Culture) (30) Identify the NASCAR drivers for 10 points each.

A. 1996's Winston Cup points champion and the driver of the Kellogg's Corn Flakes car.

Answer: Terry *Labonte* (Prompt on *Labonte*.)

B. The driver of Richard Petty's number 43 STP Pontiac.

Answer: Bobby *Hamilton*

C. The driver of the Ford Credit / Quality Care Thunderbird; he finished second to Jeff Gordon in the Winston Cup points standings this year.

Answer: Dale *Jarrett*

18. (Literature/Philosophy) (30) Identify the author, 30-20-10.

(30) His 1979 work, *The Coup*, is a narration by the former dictator of a fictitious African nation. Some of his other works include *Roger's Version* and *The Centaur*.

(20) His most famous novels are a series about the ex-basketball player Harry Angstrom.

(10) That series is comprised of *Rabbit, Run* , *Rabbit Redux* , *Rabbit is Rich* , and *Rabbit at Rest*.

Answer: John *Updike*

19. (Fine Arts) (30) Answer these related questions for the stated number of points.

A. In the early twentieth century, a German architectural school which espoused the view of "total architecture" came into existence, employing teachers like Kandinsky and Klee. Its name roughly

translates as the "State School of Building. " For 5 points, name it.

Answer: Das Staatliche *Bauhaus*

B. For 10 points, name the architect who founded the Bauhaus.

Answer: Walter *Gropius*

C. For 15 points, in which town was the Bauhaus school located?

Answer: *Weimar*

20. (Science) (30) For 10 points each, name these chemical extraction processes from a description.

A. A system of three concentric pipes is sunk more than 150 meters underground. Superheated water is forced down the outer pipe and superheated air down the inner one, forcing a mixture containing molten elemental sulfur to travel up the middle pipe and into a cooling tank.

Answer: *Frasch* process

B. Aluminum oxide is electrolyzed in a cell containing molten cryolite and carbon rods, with molten aluminum and carbon oxide gases produced.

Answer: *Hall-Heroult* process (Prompt on partial answers.)

C. Impure molten iron at about 1200 degrees Celsius is poured into a furnace, and a stream of specially mixed gasses is applied to burn off carbon and silicon impurities or incorporate them into slag. The pure iron produced is now ready for further processing that will turn it into steel.

Answer: *basic oxygen* process (Prompt on partial answers.)

21. (Religions) (30) Name these Christian denominations from a description for 10 points each

A. This denomination is split into many bodies in the United States, the two most prominent being the ELCA and the Missouri Synod.

Answer: *Lutheran* Church

B. This denomination is the largest not in the World Council of Churches.

Answer: Roman *Catholic* Church

C. The King James Version of the Bible is the only accepted biblical translation in this sect. It has been led in the past by Wilford Woodruff, Harold B. Lee and Gordon B. Hinckley.

Answer: *Church of Jesus Christ of Latter Day Saints* or *Mormon* Church

22. (Miscellaneous) (30) Name the university, 30-20-10.

(30) This school has the longest NCAA bowl drought in Division I-A, having last appeared in a bowl in their 14-13 loss to West Texas State in the 1950 Sun Bowl.

(20) Its men's basketball team won the NCAA championship in 1961 and 1962, defeating Ohio State in the final both years.

(10) Its current basketball team is coached by Bob Huggins, and has appeared in the Final Four twice in the 1990s.

Answer: University of *Cincinnati*

23. (History) (30) For 5 points per answer, answer these questions about the Year of the Four Emperors.

A. What year, the year after Nero's death, is known as the Year of the Four Emperors?

Answer: A.D. 69

B. Name the four men who ruled Rome as emperor during that year.

Answer: *Galba* , *Otho* , *Vitellius* , *Vespasian* (Accept *Nymphidius* , even though he is usually left out.)

C. Stable government returned to Rome after the accession of Vespasian, who founded what dynasty?

Answer: *Flavian* dynasty

24. (Geography) (30) Answer these questions about a region in South Asia for the stated number of points.

A. For five points, this formerly independent region of central Asia has three distinctive physical features: the Himalayan highlands, the Jhelum Vale, and the Karakoram range, which includes K2.

Answer: *Kashmir*

B. For 5 points each, name the three countries that are disputing the territory of Kashmir.

Answer: *India* , *Pakistan* , People's Republic of *China*

C. Kashmir lies just to the north of another unstable region now divided among a number of political entities. For 10 points, identify this former kingdom, which contains Amritsar, the center of Sikh religion and culture.

Answer: *Punjab*

25. (Fine Arts) (30) Identify the following composers from works for 10 points each.

A. The ballets *Billy the Kid* and *Appalachian Spring*.

Answer: Aaron *Copland*

B. The operas *A Masked Ball* and *The Force of Destiny*

Answer: Giuseppe *Verdi*

C. The operas *Faust* and *Romeo and Juliet*

Answer: Charles *Gounod*

26. (Science) (30) FTP each, name the computer scientist

A. He headed the committee at IBM that developed FORTRAN. He was also involved in the development of ALGOL.

Answer: John *Backus*

B. Among her numerous accomplishments are the discovery of the first computer bug, a moth that died in a relay on the Mark I. No dead insects were involved when she invented the compiler, however.

Answer: Grace Murray *Hopper*

C. In March of 1968, his letter entitled "Goto Considered Harmful" appeared in the Communications of the Association for Computing Machinery.

Answer: Edsger Wybe *Dijkstra*

27. (Popular Culture) (30) For 10 points each, identify these cheese videos from the 80's.

A. A strong argument against hairdressers in rock, the video involves strange robot-like women threatening the man with a fern-like haircut and a room with so many mirrors and so much tinfoil inside it that you can see camera's reflection.

Answer: *I Ran (So Far Away)*

B. This song must be for the spelling-impaired, as lead singer Ivan Doroschuk feels the need to repeat each letter 4 times. The memorable video included a hyperactive guitar-wielding dwarf.

Answer: *Safety Dance*

C. Gabrielle Kerner's filling a wastebasket with lighter fluid and setting it on fire supposed to be comparable to a mushroom cloud, but since, most Americans had no idea what her lyrics meant, the apocalyptic visions of Captain Kirk wannabes causing world war three are lost.

Answer: *99 Luftballons*

28. (History) (30) The latter half of the 19<sup>th</sup> century saw the rapid decline of China's 3400-year old dynastic system. For 5 points per answer, and a 5 point bonus for all correct, place these events from the period in chronological order, from earliest to latest.

Britain defeats China in the Opium War, Western troops crush the Boxer Rebellion, the 13-year Taiping Rebellion results in 30 million deaths, the empress dowager T'su Hsi ends the "Hundred Days of Reform" after a palace coup, Japan seizes Taiwan after the First Sino-Japanese War.

Answer: *Opium War, Taiping Rebellion, Sino-Japanese War, Hundred Days of Reform, Boxer Rebellion*

29. (History) (30) Answer these questions about a certain event of August 24, 1572 and its aftermath, for the stated number of points.

A. (5) The date corresponds with this feast day, on which an attempt was made to exterminate France's Protestant leadership.

Answer: *Saint Bartholomew's Day*

B. (10) Identify the influential French queen who is believed to have masterminded the Saint Bartholomew's Day massacre.

Answer: *Catherine de Medici* (Prompt on partial answers.)

C. (10) Name the French Huguenot leader and nobleman who narrowly escaped death during the massacre, but who later converted to Catholicism upon becoming King of France in 1589.

Answer: *Henri IV or Henri of Navarre* (Prompt on partial answers.)

D. (5) Identify the 1598 edict issued by Henri which guaranteed religious toleration for French Protestants.

Answer: *Edict of Nantes*

30. (Social Science) (30) When he first entered the field of cognitive development, he was a graduate

assistant in Binet's psychometric laboratory.

A. For 10 points, name this man, whose theories on childhood development came about because of his investigations of childrens' wrong answers on intelligence tests.

Answer: *Jean Piaget*

B. Piaget's theory of childhood development includes 4 main stages. For 5 points each, name them.

Answer: *Sensorimotor* , *Preoperational* , *Concrete-Operational* , *\_ Formal-Operational \_*