

Michigan A

1998 Penn Bowl 007

(SCIENCE - Biology)

1. This group of marine organisms is usually characterized by a peduncle or stalk attached to the substrate and a calyx of feathery arms, but it also includes the free-swimming feather stars. For ten points name this class of echinoderms commonly known as the sea lillies.

Answer: _Crinoidea_ or _Crinoids_

(GEOGRAPHY - Physical)

2. Ascend the Khumbu Icefall, head east up the Western Cwm [KOOM] and climb the sheer but technically unchallenging Lhotse [LOT-SEE] Face. Now head up the South East ridge to the South Col, the South Summit and the summit itself. After following these directions you will have climbed, for 10 points, what mountain, first conquered in 1953 by Tenzing and Hillary.

ANSWER: Mount _Everest_ OR _Cho-mo-lung-ma_

(HISTORY - Ancient - Non-Western)

3. Believing that they should not mix with people they conquered, this nomadic group moved south from the Caucasus and gradually defeated the Harappa people. The Rig-Veda says that they expanded into the Punjab and the Ganges River basin. FTP, name this group whose traditions shaped Hinduism and the Indian caste system, and whose name comes from the Sanskrit for "noble."

ANSWER: _Aryans_

(MYTHOLOGY - Norse)

4. According to legend, the gods killed the giant Aurgelmir, the first created being, and rolled his body into the central void of the universe thus creating this realm. His flesh became the land, his blood the oceans, his bones the mountains, and his hair the trees. This place is situated halfway between Niflheim on the north and Muspelheim to the south. FTP -- name this Middle Earth of Norse mythology.

ANSWER: _Midgard_

(LITERATURE - Poetry)

5. Known by the public for his work in verse, this literary figure's criticism was as revolutionary as his poetry. His work in the 1920's as editor of the influential quarterly Criterion helped formulate the school of New Criticism which would dominate literary theory for the next three decades. His poetry was influenced by the French Symbolist and the English Metaphysical poets, as well as Modernists like Ezra Pound. FTP, name this poet and critic, author of Tradition and the Individual Talent and The Waste Land.

ANSWER: T. S. _Eliot_

(SOCIAL SCIENCES - Law)

6. Sir Robert Peel's secretary, Edmund Drummond, was murdered by a man who thought that Peel was persecuting him. After his acquittal by reason of insanity, the House of Lords sent English judges a series of

questions to clarify the matter. The answer, in the form of rules, stated that a successful insanity defence must prove that the accused did not know either what he was doing or that the action was wrong. These rules quickly became the standard for legal insanity in England and the US. FTP, give the name of these rules, shared with Drummond's killer, that have been supplanted in the US by guidelines propagated by the American Legal Institute.

Answer: McNaughton Rules (Accept "Daniel McNaughton" on an early buzz.
"M'Naughton" or "MacNaughton" are also acceptable)

(FINE ARTS - Painting)

7. He attended university at age 14 in 1620, but left to apprentice under Peter Lastman (lah-st mahn), an architectural artist trained in Rome. In his early self-portraits he experiments with various expressions but after his marriage into a wealthy family his self-portraits became more romanticized as in "Self-Portrait with a Feathered Hat." He portrayed himself with his wife in "Self-Portrait with Saskia." FTP, name the painter born in Leyden in 1606.

ANSWER: Rembrandt van Rijn

(HISTORY - 20th Century)

8. In their attempts to save face in the wake of the U-2 incident, the State Department pointed to the Soviet's failure to accept this 1955 proposal which would help to alleviate mutual suspicion. Drafted by President Eisenhower, it stated that the U.S. and Soviets should willingly exchange accurate figures regarding the number of aircraft each side had in order to not provoke a build-up on either side. FTP, name this proposal which would have kept airspace free of incursions.

ANSWER: Open Skies Policy

(General Knowledge - Miscellaneous)

9. The names sound the same. The first, more properly known as Zahir-ud-Din Muhammad, was born in 1483 and succeeded his father only 12 years later as the ruler of the land between Samarkand and the Indus river. In 1526 he completed his conquest of the North of India. The second appeared on the world stage in 1931, having been born in the Great Forest and running away to the city after his mother was killed by a hunter. FTP give the common name of the first Moghul Emperor of India, and Jean de Brunhoff's King of the Elephants.

ANSWER: Babar / Babur

(SCIENCE - Physics)

10. In 1911 Kamerlingh Onnes observed it in mercury at 4 Kelvin, and won the Nobel Prize in Physics two years later. Bardeen, Cooper and Schrieffer won the 1972 prize for their 1957 descriptive theory of the phenomenon. What, for ten points, is this behaviour of matter, exhibited at very low temperatures by about 25 metallic elements, and at much higher temperatures by certain ceramic compounds, in which electrical resistance drops to zero?

ANSWER: Superconductivity

(POP CULTURE)

11. The book features a recreation planet called Sanctuary, a race of humanoid creatures known as the "Skinies," the "History and Moral Philosophy" teacher Mr DuBois, and an invasion code-named "operation Bughouse," none of which made it into the movie. FTP, name this story of Mobile Infantryman Juan "Johnny" Rico and the Arachnids written by Robert Heinlein and made into a 1997 movie.

ANSWER: _Starship Troopers_

(LITERATURE - Drama)

12. When Horace discovers that his wife's two brothers have arranged a theft of \$80,000 in bonds, he decides not to prosecute them, but rather draws up a new will leaving his wife, Regina Giddens, with only \$80,000. Regina subsequently withholds his medication and watches her husband die. FTP -- this is the plot summary of which Lillian Hellman play dealing with the Hubbard family.

ANSWER: _The Little Foxes_

(CURRENT EVENTS)

13. One proposal is to turn this vessel into a floating luxury conference center in Portsmouth, but the Ministry of Defense said that they do not know what they are going to do with this ship. She has sailed over one million miles since her launch forty-four years earlier. The 412 foot yacht was the royal family's official-residence-at-sea, but costing 19 million dollars a year to maintain, she fell victim to budget cuts promised by the new Labor government which heeded public calls for a less costly monarchy. FTP-Name this ship which "ruled" the seas since its launch in 1953.

ANSWER: _Britannia_

(HISTORY - British Isles)

14. This man was captured on August 5, 1305, and taken to London in fetters. His trial at Westminster Hall found him guilty despite his protest that he could not have committed the crime for which he was accused. Nonetheless, he was hung, drawn, and quartered the same day as the trial. FTP, name this Scot executed for treason, who was betrayed near Glasgow, Not Edinburgh, by Sir John Mentaith, not Robert the Bruce.

ANSWER: Sir William _Wallace_

(RELIGION - Christian)

15. Anchor, Ansat, Tau, Greek, Alpha and Omega, Russian, Passion, Latin, Celtic, Patriarchal, Crusader, Papal, and St. Andrew's. FTP, these are all forms of what important Christian symbol?

ANSWER: the _Cross_

(FINE ARTS - Music)

16. The bell-lyra is a portable one of these instruments used in marching bands. A musical percussion instrument with a set of steel bars on a horizontal frame, it is tuned to chromatic scale and is played with two hammers. FTP -- name this instrument called a celeste when played from a keyboard as exemplified in Mozart's The Magic Flute.

ANSWER: _Glockenspiel_

(GEOGRAPHY - Physical)

17. Though less well known than the Mekong River, this river begins in China and runs for 725 miles through the Yunnan Province and northern Vietnam. It drains the Tonkin Lowlands, considered the cradle of Vietnamese civilization. For 10 points, name this river, upon whose delta Hanoi sits.

ANSWER: _Red_ River, or _Hong-Ha_ River

(SOCIAL SCIENCES - Economics)

18. As unemployment decreases, the increasing demand for labor will cause rising prices. The rate at which prices increase is directly related to the productivity rate of the workers in the economy. FTP -- name this curve, which defines the statistical relationship which exists between the level of employment and the rate of inflation.

ANSWER: _Phillip's_ curve

(GENERAL KNOWLEDGE)

19. The name's the same The first was a saint, martyred along with St. Cyril. The second was also a Christian martyr who died on December 25, 304 A.D., and thus is commemorated at the second Christmas Mass. The third has been played in movies by Lolita Davidovich, Ingrid Bergman, and most recently, the voice of Meg Ryan. FTP, give the name of these Catholic martyrs and dead Romanov princess.

ANSWER. _Anastasia_

(POP CULTURE - Sports)

20. After playing his last NHL season in Minnesota, in 1976-77, he signed with the WHA Edmonton Oilers, where he had his best season ever. He then retired to become the team's coach, and later general manager when the franchise entered the NHL. Among his biggest coups were signing Wayne Gretzky away from Indianapolis, drafting Mark Messier (Mess-e-ch) and Jari Kurri (Yarr-e Kurr-ee) in the same draft, and developing a short-handed system that was so effective that the NHL changed the rules to prevent it. FTP- Name the 1997 inductee into the Hockey Hall of Fame's Builders division who will, with Coach Mark Crawford, oversee Team Canada for the 1998 Nagano Olympics.

ANSWER: Glen _Sather_

(HISTORY - Medieval)

21. In the same year, 10 year old imposter Lambert Simnel is crowned King Edward VI of England in Dublin Cathedral before his army is defeated at Stoke in the final battle of the Wars of the Roses, the Palazzo Dario is completed in Venice, and Bartholomeu Dias leaves Lisbon for India, only to be driven around the tip of Africa. FTP, name the year, which also saw Pope Innocent VIII declare Tomas de Torquemada Grand Inquisitor.

Answer: _1487_

(SCIENCE - Chemistry)

22. This chemical compound disrupts noncovalent interactions in proteins and membranes. It binds to most proteins in amounts roughly proportional to molecular weight and contributes a large negative charge rendering the charge of the protein insignificant. For ten points, name the amphipathic detergent that is commonly used to separate proteins by mass in gel electrophoresis, which shares its acronym with a radical group co-founded by Tom Hayden.

ANSWER: _Sodium dodecyl sulfate_ or _SDS_

(RELIGION - Eastern)

23. The name of this religious sect translates as "Doctrine of the Elders", and is also known by the name Hinayana (hin-I-yan-a), meaning "Lesser Vehicle". Its teachings and doctrines are believed by followers to have been codified by the contemporaries of the religion's founder and is widely considered to mirror the religion in its earliest forms. While still subscribing to the Four Noble Truths and the Eightfold Path, it differs from other sects in its eschewal of metaphysics and ritual and its views on meditation. FTP, name this Buddhist sect, popular in Southeast Asia and the counterpart of the Mahayana (mah-HI-yahn-a) sect.

ANSWER: _THERAVADA_ (THEHR-eh-vay-da) Buddhism (do not prompt on Buddhism alone)

(FINE ARTS - Architecture)

24. He died in 1926 when he was struck by a tram while exiting one of his own buildings. His bizarre Art Nouveau designs for housing projects where no walls were straight and no apartments the same, such as Casa Batllo (batyo), drew praise from Salvador Dali. His long running church project shows his transformation, appearing Gothic at its base and Art Nouveau at the top. FTP, name this man who aspired to create an architectural identity for Catalan Spain, famous for the Expiatory Church of the Sagrada Familia.

ANSWER. Antoni y Cornet _Gaudi_

(LITERATURE - Philosophy)

25. Born into Viennese high society, this philosopher was unique not only for his creation of two distinct and contrasting philosophies but also for his unusual life. He formulated his first philosophy, later to be called logical atomism, while fighting in the trenches of World War I. After the War he abandoned philosophy and spent six years teaching in the mountains of Austria. He was eventually drawn back into philosophy through his acquaintances with members of the Vienna Circle, and, in 1930, resumed his formal studies at Trinity College, Cambridge, under Bertrand Russell. FTP, name this philosopher, author of the Tractatus Logico-Philosophicus and Philosophical Investigations.

ANSWER: Ludwig _WITTGENSTEIN_ (VITT-gehn-stin)

(CURRENT EVENTS)

26. Based on the demands of a rapidly growing population and a heavy dependence on fossil fuels, in December 1997 this world leader in coal exports brushed aside the concerns of its low-lying South Pacific neighbours in ruling out any attempt to reduce carbon dioxide emissions. FTP, name this country, whose Prime Minister, John Howard, is increasingly isolated in his global-warming stance.

ANSWER: _Australia_

(SCIENCE - Astronomy)

27. It was considered the most promising region of the electromagnetic spectrum for detecting extraterrestrial signals. Give the colloquial name for this region, whose name is derived from the fact that it lies between the radiation lines of hydrogen (the 21 cm line) and the hydroxyl ion (18 cm line).

ANSWER: Cosmic _waterhole_

(FINE ARTS - Music)

28. Born in Baltimore, Maryland in 1937, this composer was influenced by Eastern music. His minimalist style consists of conventional instrumentation blending with electronically produced sounds, sometimes being repeated at increasing tempos to create density. FTP, name this modern composer, best known for works like Einstein on the Beach and Satyagraha, operatic treatments of the lives and works of Einstein and Gandhi.

ANSWER: Philip _Glass_

(LITERATURE - Ancient)

29. His works, controversial and revolutionary for their time, were quickly absorbed into the canon. He is believed to have written eighty-eight plays, nineteen of which survive under his name. Parodied and ridiculed by his contemporaries, his plays featured a realistic style and a tendency to subvert the received literary traditions of his culture. FTP, name this ancient Greek dramatist, creator of Medea and The Trojan Women.

ANSWER: _Euripides_

(POP CULTURE - Fiction)

30. The movie version of this book, produced by Rankin-Bass, featured animation by Japanese artists, the voices of Mia Farrow, Alan Arkin, and Angela Lansbury, and the music of America. The title character of the book goes on a quest to find her lost kin, and on the way learns about love, friendship, and regret. FTP, name this Peter S. Beagle novel about a mythical beast, changed into a woman by Schmendrick the Magician.

Answer: The _Last Unicorn_ (Do NOT accept "Lord of the Rings" or "Return of the King" on a mega-early buzz-- they were both for TV.)

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BONUSES

(POP CULTURE - TV)

1. South Park may have been one of the largest pop culture phenomenons of 1997. For the stated number of points, answer these questions about the Comedy Central smash hit.

(5) The origin of South Park stems from this holiday video card in which Jesus battles Santa Claus.

ANSWER: The SPRIT OF CHRISTMAS

(10) Despite being a 1996 box-office bomb, this Val Kilmer movie inspired South Park's evil geneticist that lives on the hill.

ANSWER: The ISLAND OF DR. MOREAU

(15) Two answers required: These two former college roommates created South Park.

ANSWER: Matt STONE and Trey PARKER

(LITERATURE - Poetry - Non-Western)

2. Name the person, 30/20/10.

30: His poems include The Evening Song, The Crescent Moon, The Gardener, and 1893's The Golden Boat.

20: He composed his country's national anthem, the novel The Wreck, and the 1895 play Malini.

10: The anthem is Jana Gana Mana, and he also received the 1913 Nobel Prize in literature after publishing Gitanjali.

ANSWER: Gurudev Rabindranath Tagore

(FINE ARTS - Painting)

3. Identify the following artists, FTPE.

His realistic style, marked by social sympathy and commentary, led to his being nicknamed the 'Mexican Goya'. This Mexican's most famous murals in the U.S. are found in Pomona and Dartmouth college. Famous works of his include House of Tears and Pre-Columbian Golden Age.

ANSWER: Jose Clemente Orozco

He was commissioned to paint for the East Building of the National Gallery of Art. Known for his use of highly colored free forms and Catalan landscapes, his most famous work is arguably Dutch Interior.

ANSWER: Joan Miro

This 17th century Baroque painter is known for his religious pictures, and his work is primarily set in Seville. Works include the Vision of St. Anthony and the Two Trinities.

ANSWER: Bartolome _Murillo_

(SCIENCE - Chemistry)

4. For fifteen points each, identify the classes of organic compounds from a functional group.

a) A carbon atom double bonded to an oxygen, and single bonded to a hydrogen.

ANSWER: _aldehyde_

b) A carbon atom single bonded to a SH group.

ANSWER: _thiol_

(CURRENT EVENTS)

5. On November twenty-first 1997, two 10-year olds appeared before Judge Michael Schwartz when one girl petitioned for a personal protection order against another.

FTP, in what state did this occur?

ANSWER: _Michigan_

FTP, give the first name of either girl involved in the suit.

ANSWER: _Kytan_ Schultz or _Cassandra_ Reibel

FTP, the personal protection order cited Michigan's recently strengthened laws against what offense?

ANSWER: _Stalking_

(LITERATURE - Irish)

6. Name the following Irish writers, fifteen points if you can answer after a brief biographical description, five if you need their works.

15: His poetry delves into his memories of Irish life, the problems of modernization and the political strife which forced him to leave his native Londonderry, Northern Ireland.

5: ``Digging'', ``The Forge'', ``Punishment''

ANSWER: Seamus _HEANEY_

15: His works were heavily influenced by the Celtic Renaissance and his own interests in mysticism and the occult.

5: Lapis Lazuli, No Second Troy, The Wild Swans at Coole

ANSWER: William Butler _YEATS_

(FINE ARTS - Architecture)

7. Name these Roman monuments for ten points apiece.

a) Commissioned by the Senate in 13 B.C. and completed in 9 B.C., this altar features depictions of Roman history, religion, and contemporary events including the emperor Augustus, veiled for a sacrifice.

ANSWER _Ara Pacis_

b) In 10 A.D. the emperor Domitian dedicated this monument to commemorate his brother's capture of Jerusalem. This arch can be found at the summit of the Sacred Way which connected the imperial forums with the Colosseum.

ANSWER: _The Arch of Titus_

c) Dedicated to the first of the "good emperors." This monument reached 125 feet high with a statue of the emperor on top. A 650 foot spiraling frieze narrates events from his two successful Dacian campaigns.

ANSWER: _Column of Trajan_

(RELIGION - Christian)

8. Given the quotations from the bible, fill in the missing word on a 15/10 basis.

15: "Can thou draw (blank) with a fishhook, or press down his tongue with a cord?" From Job.

10: "The Lord will punish (blank) the fleeing serpent, (blank) the twisting serpent, and he will slay the dragon that is in the sea."
>From Isaiah.

ANSWER: Leviathan (accept the _crocodile_ only on the 15)

15: "Moses gave you (blank), and you (blank) a man upon the Sabbath?"
>From John.

10: "(Blank) therefore the foreskin of you heart, and be not stubborn." From Deuteronomy.

ANSWER. _circumcise_ or _circumcision_

(SCIENCE - Physics)

9. Identify the terms from physics from their manifestations at the Brady household.

a) Cindy, running at 10 metres per second in a rush for cookies in the kitchen, collides with a stationary Marcia, getting milk from the fridge. Cindy stops dead, but Marcia, with twice the mass, flies into Tiger at 5 metres per second.

ANSWER: _conservation of momentum_

b) In a zany project for the science fair, Peter isolates a primeval mini-black hole, but before he can win first prize, it evaporates away by emitting this kind of quantum-mechanically derived radiation, named for a British physicist.

ANSWER: Hawking radiation

c) In a misguided attempt to impress Alice, Sam the butcher adapts the Brady's fridge to cool by letting air expand through a small nozzle without doing any work. The air cools according to this effect.

ANSWER: Joule-Thompson effect OR Thompson-Joule effect

(HISTORY - US)

10. FTP each, name the following Revolutionary war generals

Former governor of Montreal, he succeeded General Amherst as head of the British forces in North America in 1763. His troops fought against the patriots at Lexington

ans: Thomas Gage

He fought at the battle of Bunker Hill, and from 1775 to 1779 he commanded the British forces in North America

ans: William Howe

In 1778 he succeeded Howe as commander-in-chief and in 1780, he captured Charleston. Later on in his career he served as the governor of Gibraltar

ans: Henry Clinton

(POP CULTURE - Sports)

11. Given the year and the team, give the captain who led that team to the Stanley Cup for 5-10-15

5 pts: 1997 Detroit Red Wings

ANSWER: Steve Yzerman

10 pts: 1974 Philadelphia Flyers, aka the "Broad Street Bullies"

ANSWER: Bobby Clarke

15 pts: 1981 NY Islanders

ANSWER: Denis Potvin

(GENERAL KNOWLEDGE)

12. . Given events in French history, provide the month in which all of them occurred, 30/20/10.

30: Napoleon Bonaparte is born, Louis VI dies.

20: End of 2nd Battle of the Marne, Battles of Blenheim and Smolensk occur.

10: St. Bartholomew's Day Massacre occurs.

ANSWER: _August_

(SOCIAL SCIENCE - Sociology)

13. For ten points a piece, name the following people who have made major contributions to the field of sociology.

(10) Best known for his law of the three stages, which explained man's understanding of natural and social processes, this Frenchman is considered to be the "Father of Modern Sociology."

ANSWER: Auguste _Comte_

(10) Referenced heavily by Marx and Engels in their writings, this man's The Phenomenology of Mind was finished on the eve of the battle of Jena (Yah-na).

ANSWER: Georg Wilhelm Friedrich _Hegel_

(10) One of Marx's largest critics, this order theorist believed that his "division of labor" was the explanation of why capitalism would succeed.

ANSWER: Emile _Durkheim_

(GEOGRAPHY - Political)

14. Name the country, 30-20-10.

30: For most of the time since independence in 1960, it has been ruled by military strongmen such as Yakubu Gowon, Murtala Mohammad and Olusegun Obasanjo.

20: Between 1967 and 1970 it was torn by civil war, following the attempt of 3 eastern states to secede under the name Biafra.

10: Civilian elections in mid 1993 were annulled by the military, and General Sani Abacha took control in November of that year.

ANSWER: _Nigeria_

(FINE ARTS - Music)

15. Answer the following questions about 20th century musical figures, ten points apiece.

Born in 1873 in Novgorod, Russia, this composer became renowned for his brilliance as a pianist. Before leaving Russia in 1917, he wrote 185 compositions, including his famous Concerto No. 2 in C Minor and Concerto No. 3 in D Minor.

ANSWER: Sergei _RACHMANINOFF_

Rachmaninoff's music is typically categorized as being part of this movement, known for its moody and dramatic attributes.

ANSWER: _ROMANTICISM_

Rachmaninoff's early lack of success was overcome in part through this man's help, also a major Russian romantic composer whose influences can be heard throughout Rachmaninoff's works.

ANSWER: Peter Ilyich _TCHAIKOVSKY_

(RELIGION - Christianity)

16. Name the Pope from a description, 30-20-10:

30: Born on 17 October 1912, his parents were outspoken socialists. He was said to have remarked that if he hadn't become a priest, he might have been a journalist.

20: His given name was Albino Luciani. In 1971, he suggested that wealthy churches donate 1 percent of their income to poor Third World churches.

10: His pontificate lasted exactly 32 days, from 26 August to 28 September 1978. While rumors abounded that he was murdered, his death was ruled a heart attack.

Answer: Pope _John Paul I_ (Prompt on "John Paul")

(HISTORY - Non-Western)

17. For ten points each, answer the following about Japanese history.

By the fourth century A.D., this clan held enough power to establish Japan's imperial dynasty.

ANSWER: the _Yamato_

This clan exerted control over Japan for more than 200 years, effectively isolating it from Western influence and maintaining the feudal society.

ANSWER: the _Tokugawa_

Traders of this nationality were alone in being allowed to trade with Tokugawa Japan. Interaction was limited, though, with commerce only being done in a single Japanese port.

ANSWER: _Dutch_

(CURRENT EVENTS)

18. On October 20, 1997, the Anti-Trust Division of the United States Department of Justice announced that they would be pursuing severe penalties against this repeat offender.

(5) Name the computer giant which the Justice Department found to be in violation of a 1995 court order that restricted anti-competitive licensing terms on manufacturers.

ANSWER: _Microsoft_

(10) What was the amount per day that the Justice Department asked the court to impose?

ANSWER: _one million dollars_

(15) The action stemmed from allegations that Microsoft forced computer manufacturers to include this product as a pre-requisite to including Windows 95, thus making an anti-competitive marketplace.

ANSWER: internet _explorer_

(LITERATURE - Drama)

19. Name the literary figure, 30-20-10.

30: Born on Good Friday, April 13, 1906, Joyce's influence in his early work is not surprising, given the close relationship between the two.

20: He began writing in French, his adopted tongue, to purge himself of linguistic flourishes and to create a sparse style that would match his frequent subject matter.

10: His breakthrough work, featuring only five characters on a nearly empty stage, is best known for the conspicuous absence of mysterious title character.

ANSWER: Samuel _BECKETT_

(POP CULTURE - Film)

20. For ten points each, answer the following questions about French New Wave cinema.

This theory of film criticism, first stated by Alexandre Astruc (as-TROOK) and later developed by Fran[^]ois Truffaut (troo-FO), believed that the director was a film's primary creative force and that film could be seen as an expression of the director's world view.

ANSWER: _AUTEUR_ Theory (also accept auteur policy or politique des auteurs)

This prolific director often worked in video tape and black and white. His films, such as Breathless and Contempt, helped establish the New Wave and brought techniques like the jump cut and the use of colored filters into vogue.

ANSWER: Jean-Luc _GODARD_ (go-DAHR)

This influential French film magazine published the writings of Godard, Truffaut and many others who as directors would later be identified with the New Wave. Founded and edited by Andr[^] Bazin (an-DREY bah-ZINH), it helped establish film criticism as a serious academic discipline.

ANSWER: _CAHIERS DU CINEMA_ (do not accept English equivalent)

(SCIENCE - Biology)

21. A substitution is a point mutation in which one DNA base is replaced with another. Name these types of substitutions for fifteen points apiece.

a) The term for the replacement of a purine for another purine or the replacement of a pyrimidine for another pyrimidine.

Answer: _Transition_

b) Much less common than a transition, this term describes the replacement of a purine for a pyrimidine or a pyrimidine for a purine.

Answer: _Transversion_

(HISTORY)

22. Given an event elsewhere in Asia, give the name of the Dynasty ruling China at that time, for 10 points each.

a) Mohammed receives his first revelations.

ANSWER: _Sui_ [In 610]

b) Tamerlane invades India.

ANSWER: _Ming_ [In 1398]

c) Commodore Perry lands in Japan.

ANSWER: _Qing_ ["CHING"] OR _Manchu_

(GENERAL KNOWLEDGE)

23. For ten points each, name these orthographically related cities.

Situated on a low lying strip of land along the Bay of Bengal, this city was once the administrative headquarters of the East India Company.

ANSWER: _Madras_

Rising to prominence during the Industrial Revolution, it ultimately became England's second city. Long a center for Liberal thought, it was the birthplace of the left leaning newspaper The Guardian in the 1800's. It is now known for its football team and underground music scene.

ANSWER: _Manchester_

Located on Luzon Island, this city was originally a walled Muslim settlement before the arrival of the Spanish. The Spanish eventually lost control of the city to the Americans in 1898.

ANSWER: _Manila_

(FINE ARTS - Painting)

24: For ten points apiece, name these Pre-Raphaelite painters.

The founder of the group, he spent his time in Surrey working outdoors, in "plein air". His attempt to recapture the technique of 15th century Flemish masters can be seen in paintings such as "The Hireling Shepherd".

Answer: William Holman _Hunt_

A preeminent poet of Italian descent, most of his paintings featured beautiful, long-necked women and some explored themes from his namesake, the poet Dante.

Answer: Dante Gabriel _Rossetti_

Only eighteen when he joined the Pre-Raphaelites, his realistic portrayals of Christian themes such as "Christ in the House of His Parents", brought cries of blasphemy from his critics.

Answer: John Everett _Millais_

(SOCIAL SCIENCES - Psychology)

25. For 10 points each, given the psychologist, give the school he is most associated with.

Freud

ANSWER: _psychoanalysis_

BF Skinner

behaviorism

William Wundt

structuralism

(LITERATURE - Medieval)

26. Name the pilgrim from THE CANTERBURY TALES, from descriptions in the General Prologue, 30-20-10. Note: all 3 clues are in modern English.

30: "He'd seen some service with the cavalry in Flanders and Artois and Picardy."

20: "He could make songs and poems and recite, knew how to joust and dance, to draw and write."

10: "Courteous he was, lowly and serviceable, and carved to serve his father at the table."

Answer: The _Squire_

(RELIGION - Eastern)

27. For the allotted point values, name the following terms associated with Hinduism.

5: This tenet, unique to Hinduism, ordered Indian society from the dawning of Hinduism until modern times. Indian law has since forbidden its existence.

ANSWER: The _CASTE_ system

10: This difficultly defined term is a central concept in Hinduism. Loosely translated as "illusion", it is the Hindu belief that the physical world is a qualified reality, created by Brahma but only decipherable in its entirety upon enlightenment.

ANSWER: _MAYA_

15: The soul or the true self in Hinduism, it is the part of each living thing that is eternal. Believed to be incomprehensible by humans, it is often viewed as being joined with Brhama, the universal soul, and is realized when moksha, the liberation from the cycle of death and rebirth, has occurred.

ANSWER: _ATMAN_ (do not accept Nirvana)

(HISTORY - 20th Century - British Isles)

28. For the stated number of points, name these British military heroes of World War II, given a brief description:

(5) Commanding the 8th Army or the "Army of the Nile," this beret wearing field marshal was the first Allied general to inflict a major defeat on the Axis Powers, at El Alamein.

ANSWER: Field-Marshal Sir Bernard Law _MONTGOMERY_, G.C.B., D.S.O.

(10) This admiral not only came up with the initial plan for an amphibious attack of Europe, he also lead the retaking of Burma and later returned India to native rule as the last Viceroy of India.

ANSWER: Lord Albert Victor Nicholas Louis Francis _MOUNTBATTEN_

(15) As Deputy Supreme Commander of the British-American Forces in the European theater, this man coordinated the U.S. Army Air Corps and Royal Air Forces attack during D-Day.

ANSWER: Marshal of the Royal Air Force Sir Arthur William _TEDDER_, G.C.B.

(GEOGRAPHY - Physical)

29. 60% of the population of Iran lives in two major mountain ranges, one running east-west along the northern border and the other running southwest along the border with Iraq. For 15 points each, name these two mountain ranges.

A: _Elbrus_ and _Zagros_

(SCIENCE - Astronomy)

30. Name the moon, 30-20-10:

30: It is the 4th largest of the moons of Jupiter, discovered by Galileo in 1610.

20: The Chinese ship Tsien stopped there to refuel in Arthur C. Clarke's 2010: Odyssey Two.

10: The space probe Galileo recently discovered a world-girdling ocean underneath its ice cap

ANSWER: _Europa_