

PMV - Round
January 1998

Tossups by "Escape from LA"
Patrick Friel, Richard Mason, Asmin Pathare, Maribeth Swiatek

1. The common myth of this bishop's life is that he was captured by pirates and sold into slavery in North Africa, from which he later escaped. The truth is more likely that, upon recognizing the plight of the peasants, he left his job as spiritual advisor to Madame de Gondi and began to work as a minister to galley slaves. For ten points, name this saint with an uncanny ability to charm wealthy women into donating large sums of money to his orphanages, hospitals, Congregation of the Mission, and Daughters of Charity, which he founded in 1633 with Louise de Marillac.

Answer: St. VINCENT de Paul

2. The main thrust of the problem associated with these objects is that at most 60 percent of the number predicted by theory have been detected. So either the standard theory of their production is wrong, or, more intriguingly, they undergo oscillating transformations that change them into one of two other types, neither of which traditional apparatus can detect. However, a new heavy water detector located below Sudbury, Canada, will soon be able to detect tau and muon types in addition to the electron variety. For ten points, such a detection would demonstrate that what elusive particles must have mass?

Answer: SOLAR NEUTRINOS

3. It contains such delightful songs as the 'Ballad of Sexual Obsession,' the 'Ballad of Immoral Earnings,' the 'Ballad of Good Living,' the 'Song of the Insufficiency of Human Endeavour,' and the 'Procession to the Gallows,' from which the hero is saved by special order from the Queen. For ten points name this 1928 opera in which Mackie Messer marries Polly Peachum, written by Kurt Weill and Bertolt Brecht

Answer: The THREEPENNY OPERA or Die Dreigroschenoper

4. He was not English tourist Alexander Duggan. He was not Danish pastor Per Jensen. He was not American student Marty Schulberg. He was not French war veteran Andre Martin. He was not even Englishman Charles Calthrop, although the first three letters of that man's first and last names spelled out his French code name. For ten points, identify this professional assassin who attempts to kill Charles de Gaulle in a thriller by Frederick Forsyth.

Answer: The JACKAL or Le Chacal

5. Unveiled at the 1939 World's Fair in New York, they became the present of choice for GIs hoping to impress British women and had thousands of women lining up outside department stores and even causing riots which forced a San Francisco store to stop selling them. Chemist Julian Hill thought his stretchy organic gunk was worthless, so he didn't mention his 1930 idea to his boss, Wallace Carothers, until five years later. For ten points, name these products made from polymer 6-6, which saved women from expensive silk stockings forever.

Answer: NYLONS or NYLON STOCKING

6. It is called Aotearoa in the language of its native people. Its Rangitoto Mountains are the setting of Samuel Butler's book "Erewhon." The only native animals are frogs, lizards, bats, and birds, but Europeans have introduced many others, most notably 60 million sheep which outnumber the human population twenty to one. Despite its small population, it is a rugby power. For ten points, what country was the largest in Polynesia before being annexed by the British in 1840?

Answer: NEW ZEALAND

7. Iachimo bets that he can seduce Posthumus' wife, then hides in a chest in order to gain access to her bedroom, where he notes that she has a mole on her breast, memorizes the details of the room, and steals a bracelet. With this evidence Posthumus is convinced that Imogen has been unfaithful. Later, Imogen, disguised as a pageboy and believed dead, herself believes that Posthumus is dead when she finds a headless body dressed in his clothes. Fortunately these misconceptions are cleared up after a battle between the British and the Romans in, for ten points, what play by William Shakespeare?

Answer: CYMBELINE

8. Alcohol abuse and feverish work caused his health to deteriorate, and he died of tubercular meningitis in 1920. The next day, his mistress, the painter Jeanne Hebuterne, jumped from a window, killing herself and an unborn child. He painted portraits of Brancusi, Picasso, Soutine, Gris, Cocteau, and many other avant-garde Parisians, depicting many of them with elongated heads, but only one self-portrait. For ten points, name this Italian painter and sculptor of such works as 'The Servant Girl'.

Answer: Amedeo MODIGLIANI

9. The purpose of the test was to demonstrate that if no power was available from the grid, a coasting turbine would supply enough power to pump coolant through the core until emergency diesel generators came on line. The system had a positive void coefficient so when pockets of steam began to form in the coolant, the power level went up and created more steam. Almost all of the control rods had been removed and when they were plunged back in in a panic, all the reactivity was concentrated at the bottom of, for ten points, what reactor which exceeded its designed power level by a factor of 100 on April 26, 1986?

Answer: CHERNOBYL Unit 4

10. At the age of 21, depressed about his lack of literary success, he enlisted in the 15th Light Dragoons under the name of Silas Tomkin Cumberbatch. Within hours it was clear he would be the worst soldier ever to fall off a horse; two months later his brother found him and got him out of the army under an insanity clause. A few months later he and his new friend Robert Southey decided to establish a commune in New England called Pantisocracy, but it never got off the ground. For ten points, identify this author of "Christabel" and "Kubla Khan."

Answer: Samuel Taylor COLERIDGE

11. This king was the first one to use the plural first person, the royal "we," to describe himself. While traveling in disguise through Austria, he was discovered in Vienna and imprisoned by Duke Leopold, who later handed him over to the German emperor Henry IV. Only after most of a gigantic ransom of 150,000 marks had been paid was he released to return to England. For ten points, identify this Angevin king who spent only six months of his reign in England, the rest being spent either in Normandy, in prison, or off on crusade.

Answer: RICHARD I or RICHARD the LION-HEARTED

12. His mother, an alcoholic, was found strangled to death in 1958, when he was 10. The crime was never solved, despite his own later efforts, as recounted in the memoir "My Dark Places." He once said all his novels are variations on the same theme: "Bad white men doing bad things in the name of authority." For ten points, name this author, whose works include "The Big Nowhere," "White Jazz," "American Tabloid," "The Black Dahlia," and the recently adapted "L.A. Confidential."

Answer: James Ellroy

13. He co-sponsored legislation creating a federal civil-service-commission and introducing competitive examinations, and persuaded Congress to pass additional civil service reform by mocking the "voluntary contributions" levied by Republican leaders upon beholden civil servants. But he soon lost his Senate seat, as he was blamed for ruining a political patronage system that had also benefited Democrats. Over 100 years later, his party is once again threatened by his legislation, as campaign finance investigations of Vice President Gore indicate he may have violated the 1883 act named after what Gentleman from Ohio?

Answer: George Hunt PENDLETON

14. This movement began with the founding of the Salon d'Automne and the critic Louis Vauxcelles gave the movement its name as he attempted to describe a conventional piece of sculpture by contrasting it to its artistic surroundings. Inspirations for the movement included van Gogh, Cezanne, and Gauguin, but its practitioners included Signac, Dufy, Marquet, and Rouault. For ten points, name this movement, founded in 1905, known for its bold use of colors and associated with the painters Derain and Matisse.

Answer: FAUVISM or FAUVES

15. Warning: more than just one part of the name is required. Like Nelson Mandela, this man was labeled a dangerous subversive; he was jailed for years and faced death for his beliefs, and he survived to become his nation's leader. In 1980, the secret diplomatic intervention of President Carter and President-elect Reagan saved his life from the death sentence imposed

by the military regime of President Chun Doo Hwan. Ironically, one of his first acts as President-elect was to advocate the release of ex-President Chun, who had been condemned to death himself for corruption. For ten points, name this newly elected President of South Korea.

Answer: Kim Dae Jung (accept any 2 of 3 names; prompt on just one)

16. She has several other important screen credits on her resume, including Judge Dredd, Batman Forever, Splash, Working Girl, and Remo Williams . . . The Adventure Begins. She was the object of purity used to battle the villainous Vigo the Carpathian in Ghostbusters II. For ten points, whose most dramatic on-screen appearance occurs opposite Charlton Heston at the end of Planet of the Apes?

Answer: The Statue of Liberty (or reasonable equivalents) or Liberty Enlightening the World

17. In its most general form, it states that for a manifold M and a differential form ω , the integral of $d\omega$ ("dee omega") over M is equal to the integral of ω over the boundary of M . It bears the name of an Irish mathematical physicist who was Lucasian Professor, although it was actually discovered by Lord Kelvin. For ten points, identify this theorem, which in its usual form equates the integral of a vector field on the boundary of a surface with the integral of the curl of the field on the surface.

Answer: STOKES' Theorem (accept "Fundamental Theorem of Calculus" before "Irish")

18. It was elected after the right-wing national assembly tried to disarm the National Guard, and fell when Versailles troops captured the city and massacred approximately 25 thousand people. For ten points, name this provisional national government, which lasted for only two months during the Franco-Prussian war, but is often considered the first socialist government in history.

Answer: the PARIS COMMUNE

19. The music written for the film Alexander Nevsky. A cantata marking the thirtieth anniversary of the October Revolution. Most of the music in Woody Allen's Love and Death. A 1921 Diaghilev ballet based on Shakespeare. A 1936 children's piece, based on a Russian folk tale, with libretto telling the story written by the composer himself. For ten points, all of this music was written by what noted Soviet composer?

Answer: Sergei PROKOFIEV

20. This practice has occurred just about everywhere in the world in the past, and can still be found among Pacific Islanders and Australian Aborigines. Individuals or clans are associated with particular animals or plants. These are not held sacred to the society in general, but only those members of the clan. Desecration of the plant or animal is forbidden, and usually complicated clan marriage rules are involved. For ten points, name this practice, which was most definitely practiced by the natives of the Pacific Northwest.

Answer: TOTEMISM

21. He kept a teapot as a pet, and was in favor of what he called "auto-icons," that is, dead people embalmed and used as their own monuments. Upon his own death, he left a large sum of money to London's University College on the condition that his own preserved body, enclosed in a mahogany case with folding glass doors, be displayed every year at the annual board of directors meeting. For ten points, identify this philosopher whose proposals for social reform were based on the twin principles that humans are motivated only by self-interest and that reforms should aim at the greatest good for the greatest number.

Answer: Jeremy BENTHAM

22. Although some of her poetry was published during her lifetime, including 'A Godly Meditation of the Soul,' which was translated by Queen Elizabeth I, her best verse was not compiled until 1896 under the title 'Last Poems.' She is most famous for a satirical work whose premise is a group of travelers delayed by a flood on their return from a Pyrenean spa. For ten points name this sister of Francis I and wife of Henry II of France, the author of the Heptameron.

Answer: MARGARET of Navarre or Marguerite D'Angouleme

23. The word, perhaps meaning "waste paper," was formed from the name of a sidewalk character in a 1960 film about decadence centered on a gossip columnist, Federico Fellini's 1960 "La Dolce Vita." For ten points, name these people who have incurred the wrath of George Clooney and have been blamed for the deaths of Dodi Fayed and Princess Diana.

Answer: PAPARAZZI

24. In 213 BC he led a book burning campaign in order to sever ties with the past. He took the throne as a boy while numerous local states were at war and over the course of the first 18 years of his reign managed to reunite most of the country. His tomb complex is guarded by ten thousand life-size terra cotta warriors. For ten points, name this Emperor, buried at Xian ("shee-ahn"), the greatest of China's Ch'in emperors.

Answer: SHI HUANG Ti

BYU Perpetual Motion V
Bonuses by "Escape from LA"
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1. St. Patrick's Day seems to be a bad day for mathematicians. Name these three for ten points each:

A. (10) This discoverer of the parallax of 61-Cygni introduced the functions named for him in his 1817 study of Kepler's three-body problem. He died on March 17, 1846.

Answer: Friedrich Wilhelm BESSEL

B. (10) This author of 'Hydrodynamica', who died on March 17, 1782, also researched life insurance and health statistics, as well as teaching anatomy, botany, physiology and physics at Basel. Perhaps the least known of three famous brothers.

Answer: Daniel BERNOULLI

C. (10) This man, who stated his principle relating the change in frequencies of a source to the relative velocities of source and observer in the 1842 treatise 'Concerning the coloured light of double stars', died on March 17, 1853.

Answer: Johann Christian DOPPLER

2. Identify the following pairs of roommates for five points per roommate.

A. (10) Author Erich Segal recently admitted that these two former roommates-- one a politician, the other an actor-- both inspired the character of Oliver in Love Story.

Answer: Albert Arnold GORE, Jr. and Tommy Lee JONES

B. (10) When this star of "Anatomy of a Murder" and this star of "Twelve Angry Men" were starving actors in New York, they called their apartment Casa Gangrene.

Answer: James Maitland "Jimmy" STEWART and Henry Jaynes FONDA

C. (10) This star of "Captain Blood" and this man who played Sir James Bond in "Casino Royale" called their Hollywood apartment Cirrhosis-By-The-Sea.

Answer: Errol FLYNN and David NIVEN

3. Grover Cleveland served non-consecutive terms as U.S. President, but three men had non-consecutive terms as King of England. Answer the following for ten points each.

A. This man was king from 978 to 1013, and from 1014 to 1016. He spent the intervening year in exile in Normandy, while the Danish invader Sweyn Forkbeard was accepted as king throughout England.

Answer: Ethelred II or Ethelred the Unready

B. This member of the House of Lancaster was king from 1422 to 1461, and from 1470 to 1471. The fact that he became king before he was one year old, and later proved weak and subject to fits of insanity, created the anarchy that led to the Wars of the Roses.

Answer: Henry VI

C. This man was king from 1461 to 1470 and from 1471 to 1483. He supplanted Henry VI and brought the House of York to the throne.

Answer: Edward IV

4. Given a work whose title is a literary allusion, give the work and author from which the title is taken for five points each.

A. (10) "Eyeless in Gaza" by Aldous Huxley

Answer: "Samson Agonistes" by John MILTON

B. (10) "Things Fall Apart" by Chinua ACHEBE

Answer: "The Second Coming" by William Butler YEATS

C. (10) "Arms and the Man" by George Bernard SHAW

Answer: "The Aeneid" by Virgil (also accept: John Dryden as the author (translator))

5. Ahh... the Gershwin brothers! Given these noted Gershwin lyrics, finish the line for ten points each. Hint: in each case you need only supply the song title.

A. (10) You say ee-ther and I say eye-ther. You say nee-ther and I say ny-ther. Ee-ther. Eye-ther. Nee-ther. Ny-ther...

Answer: Let's Call the Whole Thing Off

B. (10) Won't you tell him please to put on some speed. Follow my lead. Oh, how I need...

Answer: Someone to Watch Over Me

C. (10) Dey tell all you chillum de debble's a villum, but...

Answer: It Ain't Necessarily So

6. Answer the following about blood plasma proteins for ten points each.

A. (10) When your blood clots, this soluble plasma protein is converted by the enzyme thrombin into an insoluble protein that forms long threads which entangle platelets and form the clot.

Answer: fibrinogen (the insoluble protein is fibrin)

B. (10) As a blood clot shrinks, it squeezes out this incoagulable yellow fluid, which is blood plasma minus fibrinogen.

Answer: blood serum

C. (10) Water passes freely through capillary membranes, so you would instantaneously lose all the plasma out of your circulatory system, except that capillary membranes are impermeable to this plasma protein, the smallest in weight and highest in concentration of the plasma proteins.

Answer: serum albumin

7. Name the author from works, 30-20-10.

(30) Low-Lands and Slow Learner

(20) Vineland and The Secret Integration

(10) Gravity's Rainbow and V

Answer: Thomas PYNCHON

8. Answer the following about the Mexican War for ten points each.

A. (10) Name the man sent by President Polk in 1845 to negotiate over the disputed Texas border, and whom the Mexicans rejected when they learned of his instructions to purchase New Mexico and California.

Answer: John SLIDELL

B. (10) Name the February 22, 1847 battle at which General Zachary Taylor's force of five thousand Americans defeated Santa Anna's 14,000-strong army.

Answer: Battle of BUENA VISTA or Battle of Angostura

C. (10) Name the State Department clerk who disobeyed Polk's instructions that he cease negotiations with the Mexicans and signed a treaty for the 15 million dollar purchase of New Mexico, Utah, Nevada, Arizona, California, Texas and western Colorado.

Answer: Nicholas TRIST

9. The Chicago Bulls have already established themselves as the team of the 90s, winning 5 of the 8 championships played thus far. For the stated number of points, answer these questions about other dominant teams.

A. (5) The Los Angeles Lakers won more titles than any other team in the 80s. For five points, how many titles did they win?

Answer: 5

B. (5) The Lakers made it to the Finals three other times in the 1980s. For five points, what was the only other Western Conference team to play in the finals in the 1980s? Give both city and team name.

Answer: Houston Rockets

C. (5) The Boston Celtics won more titles than any other team in the 60s. For five points, how many titles did they win?

Answer: 9

D. (5) For five more points, who was the only team other than the Celtics to win a title in the 60s? Give both city and team name.

Answer: Philadelphia 76ers

E. (10) For 10 points, name the NBA's first dominant team, which won five titles between 1949 and 1954. Give both city and team name.

Answer: Minneapolis Lakers

10. Identify these things from set theory for ten points each.

A. (10) An ordered set is said to have this property if each non-empty subset has a least element.

Answer: well-ordering

B. (10) This is a transitive set which is well-ordered by the epsilon relation. There is exactly one of these for each set order type.

Answer: ordinal

C. (10) This is an ordinal which cannot be placed in one-to-one correspondence with any smaller ordinal.

Answer: cardinal

11. Identify artists from works for ten points each.

A. (10) "Head of a Man on a Rod", "Spoon Woman", "Invisible Object"

Answer: Alberto GIACOMETTI

B. (10) "The Tempest", "Sleeping Venus"

Answer: Giorgione (also accept: Giorgio da Castelfranco or Giorgio Barbarelli)

C. (10) The Scrovegni Chapel frescoes, and "Christ Walking on the Water" over the entrance to St. Peter's.

Answer: Giotto di BONDONE

12. Given the common name of a religious group, give its official name for ten points each. For example, were I to say "Mormons," you would say "the Church of Jesus Christ of Latter-Day Saints."

A. (10) Christian Scientists

Answer: Church of Christ, Scientist

B. (10) Quakers

Answer: Society of Friends (prompt on "Friends")

C. (10) Shakers

Answer: United Society of Believers in Christ's Second Appearing

13. Identify these works by Evelyn Waugh for ten points each. *

A. (10) Paul Pennyfeather is thrown out of Oxford for indecent behavior and becomes a teacher at a Welsh school administered by Mr. Prendergast and the one-legged drunkard Captain Grimes. Pennyfeather gets engaged to the wealthy mother of one of his pupils, but her illicit activities get him sent to prison.

Answer: Decline and Fall

B. (10) Tony Last's wife leaves him but he refuses to grant her a divorce because he fears the alimony will cause him to lose Hetton, his country estate. Tony goes off to Brazil where he is forced to spend the rest of his life reading Dickens to a mad jungle recluse who saved him from an illness.

Answer: A Handful of Dust

C. (10) Captain Charles Ryder recalls his experiences with the wealthy Marchmain family. Lord Marchmain deserts his wife to live with his mistress in Venice, but on his deathbed he regains his Roman Catholicism. The rest of the family also regain their Catholic faith.

Answer: Brideshead Revisited

14. (30) Five men have served at least 8 consecutive years as Secretary of State. Two became President, and 2 others began their service under assassinated presidents. For five points each, and a five point bonus for all 5, name them.

Answer: James Madison, John Quincy Adams, William Henry Seward, Cordell Hull, Dean Rusk (Note: James Monroe only served 6 years).

15. Identify the following Supreme Court cases for ten points each.

A. (10) The Court held that the New York State Board of Regents could not compose an official state prayer for the public schools, even if students could remain silent or request to be excused.

Answer: Engel v. Vitale

B. (10) The Court held that Rhode Island could not give state money to parochial schools, even if the money allegedly went only to courses in secular subjects.

Answer: Lemon v. Kurtzman

C. (10) The Court held that an Alabama statute authorizing a one-minute period of silence in public schools was an unconstitutional attempt at government endorsement of prayer.

Answer: Wallace v. Jaffree

16. Music is all about counting, sort of. Identify the following numbers.

A. (10) The number of black keys on a piano.

Answer: 36

B. (10) The number of violas in a traditional string quintet.

Answer: one

C. (10) The number of strings tuned to E on a normally tuned 12-string guitar.

Answer: four

17. Answer the following questions about glaciers for ten points each.

A. (10) The addition of mass to a glacier is called accumulation. What is the loss of mass from a glacier called?

Answer: Ablation

B. (10) Most glaciers slowly expand or contract, but occasionally glaciers accumulate at incredibly accelerated rates, in events called what?

Answer: Surges

C. (10) The progressive breaking off of icebergs from a glacier that terminates in deep water is called what?

Answer: Calving

18. Give the shared last name on a 15-5 basis.

A. (15) Sidney was the author of the screenplay to 'Gone with the Wind.'

(5) Leslie played Ashley Wilkes in 'Gone with the Wind.'

Answer: Howard

B. (15) Thomas played Scarlett's father in 'Gone with the Wind.'

(5) Margaret wrote the novel 'Gone with the Wind.'

Answer: Mitchell

19. Answer the following about the Peloponnesian War for ten points each.

A. (10) After Pericles died in a plague that swept Athens, this extreme war hawk become leader of the Athenian democracy. He is portrayed in a very negative light by both Aristophanes and Thucydides.

Answer: Cleon

B. (10) After Cleon was killed at Amphipolis, this Athenian rival of Cleon was able to conclude a treaty with the Spartans. The peace named after him lasted six years.

Answer: Nicias

C. (10) The end of the war came in 405 when the Athenian navy was destroyed at this site by the Spartan fleet under Lysander.

Answer: Aegospotami

20. Identify the writer from works on a 30-20-10-5 basis.

(30) "Music for Chameleons" and "Miriam"

(20) "The Grass Harp" and "House of Flowers"

(10) "Other Voices, Other Rooms" and "Breakfast at Tiffany's"

(5) "In Cold Blood"

Answer: Truman CAPOTE

21. Your bonus:

A. For ten points, give the general term for the ethical theory which holds that pleasure is the main goal of life.

Answer: Hedonism (also accept epicurianism)

In ancient Greece there were two main Hedonist sects. One held that the pleasure of the moment was the only human good and derived its name from the home city of Aristippus. The other sect advocated pleasure under the direction of reason and was named for a philosopher. For ten points each, name them, in order.

Answer: Cyrenaics; Epicureans

22. Given a work, identify the author for ten points each.

A. (10) The Golden Bowl

Answer: Henry James

B. (10) The Cut-Glass Bowl

Answer: F[rancis] Scott Fitzgerald

C. (10) Wilson's Bowl

Answer: Phyllis Webb

23. (30) Arrange the following five astronomical objects in order of least to farthest distance from the Earth, for five points each: Cygnus X-1; 3C 273; the Magellanic Clouds; M 31; and Wolf 359. You will get five bonus points for getting all five correct.

Answer:

Wolf 359	(close star: 2.32 parsecs)
Cygnus X-1	(first black hole: 8000 lyr)
Magellanic Clouds	(30 kpc)
M 31	(a.k.a. Andromeda Galaxy: 690 kpc)
3C 273	(first quasar: 770 Mpc)

24. Answer the following questions about the Tropics.

A. (10) What is the most populous country that lies completely north of the Tropic of Cancer?

Answer: Russia

B. (10) What is the most populous country that lies completely south of the Tropic of Capricorn?

Answer: New Zealand

C. (10) What is the most populous country that lies completely south of the Tropic of Cancer and completely north of the Tropic of Capricorn?

Answer: Indonesia