Packet by UCLA A (M. Decker, C. Galiher, K. Lai, J. Turetzky, D. Wynne) Also UCI-B, Oklahoma, and David Moore

1. The original one was formed in Kweilin during the Second World War. The founder of its second incarnation is the first of its members to die, doing so before getting a chance to meet the daughters she had abandoned. Another member, at the behest of her husband, changes her name to "Betty" and is secretly convinced that she has lost her spirit. Lindo escapes an arranged marriage through a clever plot and later has a chess-playing daughter. An-mei has seven children, the youngest of whom drowns in an accident at a beach. FTP, the aforementioned women play mahjong in what novel, a collection of vignettes by Amy Tan?

## ANS: The Joy Luck Club

2. They resulted in the deaths of over twenty people and imprisonment of nearly two hundred. Various explanations have been put forward to explain the behavior of the accusers, including hysteria, hallucinations caused by moldy bread, encephalitis lethargica, and even Huntington's Disease. One man who was accused, Giles Corey, refused to enter a plea and was pressed to death with rocks as a result, an episode made famous by Arthur Miller's play, The Crucible. FTP, give the collective name for this hunting of practitioners of the demonic arts, which took place in a namesake town in Massachusetts.

## ANS: Salem witch trials

3. It was first "discovered" on expeditions led by Byron Cummings and William B. Douglass, and more expeditions to it were led in the 1920s by Charles Bernheimer. It became a National Monument in 1910, but the 1956 authorization of dam construction near it threatened its very existence. A 1985 study showed that the construction of Lake Powell had not weakened it, although it is forbidden to swim under it as the Navajo and Paiute consider it a symbol of fertility. FTP, identify this world's longest natural bridge, located in Utah.
ANS: Rainbow Bridge (National Monument) (prompt on "Navajo Mountain")
4. His granddaughter Anne Baxter's supporting performance for The Razor's Edge made him the only notable man of his profession from an Oscar-winning family. His son also proved a marketable innovator, creating the perennially popular Lincoln Logs in 1916. In an episode of The Simpsons, a song sung by Apu attributes the design of Marge's hairdo to this man. His design for a mile-tall tower, The Illinois, in Chicago, was ultimately rejected due to fears of oscillation, though similar structures would later be constructed by others. FTP, name this Wisconsinian architect of the Johnson Wax Building, the New York City Guggenheim Museum, and Fallingwater.

## ANS: Frank Lloyd Wright

5. Its inner section is composed of cells similar to sympathetic ganglia, except they lack axons and secrete hormones into the blood. These hormones are catecholamines, though only a small fraction is dopamine. The human body contains two of these organs, one situated above each kidney, and each can be divided further into a cortex and a medulla. FTP, identify these endocrine glands that primarily secrete norepinephrine and epinephrine.

## ANS: adrenal glands

6. Only two of his 15 films have been made of his books, though a treatment of his novella Your Shoes Too Big to Kickbox Good, written for Krusty the Klown, is rumored to be making the rounds. The first film, based on a novel about a basketball star, starred James Caan and sank without a trace; the more successful by far featured Jack Nicholson as the devil in a New England town. FTP, name this Pulitzer Prize-winning author of those novels, Rabbit, Run and The Witches of Eastwick.
ANS: John Updike
7. Omar Sharif played him in an eponymous 1969 film with a 3.5 rating on IMDb, which might have been due to the improbable casting of Jack Palance as his commander. Stephen Soderbergh directs Benicio Del Toro as this man in a pair of biopics set to be released in 2008, four years after Walter Salles directed a film him. The actor who played him in The Salles film also played him in a 2002 made-for-TV-movie. FTP, name this political figure played recently by Gael Garcia Bernal in The Motorcycle Diaries, set before he joined Fidel Castro in the overthrow of Fulgencio Batista's Cuban dictatorship.
ANS: Ernesto "Che" Guevara de la Serna
8. The Maronites of Lebanon developed as a group from the monks of the Monastery of Saint Maron, who defended this council from the groups who coalesced into the Syrian Orthodox Church. The Syrian Church is part of the Oriental Orthodox Communion which broke away from other Orthodox denominations over the mia- or monophysite controversy, which council denounced in the form of Eutychianism. FTP, name this fourth of the ecumenical councils, which is best known for defining the dual-nature of Christ.

## ANS: Council of Chalcedon

9. Hilbert's seventh problem asks whether the Gelfond-Schneider constant and Gelfond's constant are this. Liouville's constant, which is defined by the infinite sum from 1 to infinity of 10 to the negative n factorial, was the first one to be shown to be of this type. It is not known whether Apery's constant and the Euler-Mascheroni constant belong. Hardy and Wright proved that sine of 1 and natural $\log$ of 2 are of this type. For ten points, identify this group of irrational numbers that are not the root of any polynomial with integer coefficients, better known examples of which include pi and e.
ANS: transcendental numbers (do not accept or prompt on anything else)
10. This instrument has been featured in several works of the last half-century, including Elliot Carter's Pastoral and an elegy by John Stamp for it "and Band". Ignaz Pleyel and Ludwig van Beethoven wrote pieces for this instrument, with the former writing 18 duets and the latter writing a trio with oboes. It is used to represent the "Easterners" in Alexander Borodin's In the Steppes of Central Asia, but is better known for its appearance in the largo of Antonin Dvořák's New World Symphony. FTP, what is this instrument, which is like an elongated oboe with a more rounded bell?

## ANS: English Horn or Cor Anglais

11. A recent regulation change required that a prisoner's hat be taken off five paces before passing a guard and put on two paces afterwards. Other rules allowed Kolya, a former student of literature working as a medical assistant, to only exempt two prisoners from work in the morning, while the title character was forced to clean the guardhouse in the morning for waking up too late. That man, Shukhov, was arrested for being a German spy, though in reality, he had only been a prisoner of war. FTP, name this 1963 work by Alexander Solzhenitsyn.

ANS: $\quad$ One Dav in the Life of Ivan Denisovich or Odni Dyen' Ivana Denisovicha
12. These people are more likely to be schizophrenic, alcoholic, dyslexic, delinquent, and homosexual. Hardyck and Petrinovich observed an intrinsic bias against these people, who are often accused of being communists or devil worshippers as children. They are coveted at setter in volleyball for the force and fluidity of their dumps, but only Jack Squires has played more than 300 games at catcher, due to their difficulties in throwing out runners. Estimates place this group of people as comprising about ten percent of the population, which means they significantly outnumber Ivy League graduates. FTP, identify these people who have to use special scissors and are sometimes referred to as "southpaws". ANS: left-handed people or left-handers or equivalents (comedy 15 points for early "Ivy League graduates")
13. Robert of Ketton translated it into Latin, and Alexander Ross was the first to translate it into English, but believers in the religion it is a major scripture of do not accept it in any language other than that it was originally written in. Its etymology comes from a masdar meaning "to recite", which may connote diligent reading. It is largely organized by length, with most shorter chapters at the beginning and most longer chapters at the end. Those chapters, or suras, can be further divided into verses, or ayat. FTP, identify this "most important book in Arabic", the basic scripture of Islam.
ANS: Qu'ran or Koran or Quran or reasonable other spelling translations
14. It has been indirectly linked with a rise in childhood obesity and has been criticized for one of its provisions, which forbids the reduction of state or federal funding for the Boy Scouts of America. It succeeded the "Goals 2000" bill, signed into law by Bill Clinton in 1994. In 2005, Utah passed a bill into law that would ignore provisions of this law that would conflict with existing state policy, to which the federal government threatened to withhold funding, though this has not yet come to pass. These objections stemmed from what governor John Hunstman called impractical instructions for race-based instruction and reduced time for all subject matters. These complaints were aimed at, FTP, what education bill, passed in 2001, mandating improvement across all areas for America's public schools?
ANS: No Child Left Behind Act
15. Considered by the falsafa movement as the height of philosophy, this thinkers' works are often discussed in the present day in terms of their Bekker-numbered pages. In one major work, he describes wisdom as the possession of
knowledge of everything, not in detail, but the general understanding of why things are. In another work, he focuses on virtues, of which Justice is the only one that merits an entire book. That work on Ethics was named after his son, Nicomachus. FTP, identify this Greek philosopher, founder of the Peripatetic School, and student of Plato.
ANS: Aristotle or Aristoteles
16. His "father" is commonly referred to as "Doctor," despite the fact that he dropped out of school and never earned a doctoral degree. He learns to read exceptionally quickly, despite receiving no direct instruction, and thus is able to read The Sorrows of Young Werther and Paradise Lost, two works he stumbles across while wandering in the forest. For a short time, he finds refuge in a wood shed next to the DeLacey's cottage, which he would later burn down. He earns the appellations "fiend," "demon," and "wretch" after causing the deaths of his creator's friends and family, then eventually goes off to the North Pole and dies. FTP, identify this eight-foot-tall, black-haired, hideous creature, not to be mistaken for his creator, Victor.

## ANS: Frankenstein's monster

17. Its Hill sphere is 1.5 million kilometers in radius, while its albedo is 0.367 . The point furthest from its center is the summit of an inactive composite volcano, not, as might be expected, the summit of its tallest mountain. The high iron content of its core contributes to its relatively strong magnetic field, which is believed to undergo periodic reversals about every quarter million years. Greenhouse gasses in its atmosphere include carbon dioxide, water vapor, methane, and ozone, which keep surface temperatures significantly higher than would be expected given its distance from the Sun. Its oxygen-rich atmosphere and oceans of liquid water make it capable of sustaining life. FTP, identify this planet, often depicted as a "blue marble," which orbits the Sun at a distance of 1 A.U.
ANS: Earth
18. The maxim emblazoned over the head of Leo the Lion in the MGM logo reflects this artist's personal attitude toward art, a philosophy expounded upon in his books Ten O'Clock Lecture and The Gentle Art of Making Enemies. When his friend Oscar Wilde responded to one of his aphorisms with "I wish I had said that," this man replied "You will, Oscar. You will." A staunch polemicist in public life, he took to signing his compositions with a symbol of a butterfly with a stinger for a tail, such as Nocturne Trafalgar Square Chelsea Snow, and Symphony in White, No. 3. FTP, name this artist of Arrangement in Gray and Black: Portrait of the Artist's Mother.
ANS: James McNell Whistler
19. Dilute solutions of its nitrate were once used as disinfectants, though today its nitrates and halides are more valued for their photosensitivity. It has two stable isotopes and at least twenty-eight known radioisotopes, none of which have any biological significance in humans. Its most common oxidation state is +1 , but a +2 state is observed in its fluoride salt and $a+3$ in its persulfate salt. In its soluble form, it is one of the few elements able to precipitate chlorine. It is has the highest electrical conductivity of all metals, as well as the highest thermal conductivity. FTP, identify this precious metal with atomic number 47, which lies just above gold on the periodic table.
ANS: silver
20. The first ruler of this government instituted laws such as the sankin kotai and codified many of the reforms made under his predecessor, Toyotomi Hideyoshi. Because of continued distrust of Europeans and Christians, the Shimabara Revolt prompted religious persecution and the enforcement of sakoku, or isolation. It was created 3 years after its founder and namesake established control at the Battle of Sekigahara in 1600. FTP, what is this government, which ruled Japan from 1603 until the Meiji Restoration in 1868 ?

ANS: Tokugawa Shogunate or Tokugawa Bakufu
21. Montgomery Blair was dismissed from Lincoln's cabinet in order to prevent this man from running for president against Lincoln in 1864. Prior to that, he had served as a general in command of the Dept. of the West and was badly defeated during "Stonewall" Jackson's Shenandoah Valley campaign. He had earlier led an expedition into Mexican California after which he was court-martialed for his role in the Stockton-Kearny rivalry. FTP, name this man who was nominated in 1856 as the first presidential candidate of the Republican Party

ANS: John Charles Frémont
22. This phenomenon gives rise to the levitated clouds of dust observed on the moon, and when combined with the effects of plasma can cause problems for spacecraft when charge differences develop on their surface, which can damage
sensitive electronics. One type of spectroscopy takes advantage of it in order to measure the work function of metals. This effect was studied by and is sometimes named after Heinrich Hertz, but is more famously associated with another man who won the Nobel Prize for explaining it. FTP, name this phenomenon, which was explained by Albert Einstein in 1905 to be a result of the quantization of light.

ANS: Photoelectric Effect (accept Hertz effect before he is mentioned)
23. The first book ends with the appearance of Glaucus, to urge the travelers to continue on their journey, which they do immediately, arriving at Bithynia, among the Berbryces. Other tribes encountered in the second book include the Chalybes, a tribe of miners; the Mossynoiki, who have sex in public; and the Amazons. Eventually the title object brings them to the land of Cholcis for the fulfilling of their quest. FTP, name this epic poem by Apollonius of Rhodes about the journey undertaken by Jason for the Golden Fleece.

ANS: Argonautica or The Voyage of the Argo

1. Questions about an ancient tragedy FTPE.
(10) A major topic of this play is the moral dilemma the Queen of Corinth faces when she decides to kill her kids to get back at her philanderous husband.

## ANS: Medea

(10) Medea was written by this dramatist of $5^{\text {th }}$ century Athens. He also wrote Wise Melanippe, Captive Melanippe, Hypsipyle, and Stheneboea.
ANS: Euripides
(10) At the end of the play, Medea flies off in the chariot of Helios, a common type of Greek dramatic contraption known by this Latin term.
ANS: deus ex machina
2. "These are the times that try mens' souls...", and "Tyranny, like hell, is not easily conquered..." Answer the following relating to the source of these lines FTPE.
(10) Published from December 1776 through September 1777, this series of pamphlets contained the above quotes, addressing both British and Americans, in support of the Revolution.
ANS: The American Crisis
(10) This author of The American Crisis also wrote The Age of Reason, as well as another well-known pamphlet, Common Sense.
ANS: Thomas Paine
(10) In this work published in Paris in 1797, Paine claims that the earth is the common property of all humanity, and as such, every man should be born into property. It often sounds rather socialist.
ANS: Agrarian Justice
3. Sift through even more blatantly misleading information about Sherpas and identify these African countries FTPE.
(10) This isn't a keyword on IMDB for the movie Sahara, despite being the setting for like half the movie. The Sherpa Sanctuary of Timbuktu was violated after the empire that shares its name with this country fell, so the capital is now at Bamako.
ANS: Mali
(10) The Kanem state shared between this country and Nigeria was probably founded circa AD 700 when Yemeni migrants led by Charles Meigs overran the indigenous Sherpas of the Sand Dunes. It still has enough balls to stand up to Qadaffi over the Aozou Strip.
ANS: Chad
(10) The Kathmandu Books and Shangri-La Restaurant that provide $99 \%$ of the jobs for expatriate Sherpas in Davis wanted us to remind you to get a "free regular drink with purchase of regular sandwich or salad" on your next visit to this small West African country sandwiched between Ghana and Benin.

## ANS: Togo

4. Name these Mexican artists FTPE.
(10) This is the pseudonym of Gerardo Murillo, taken from the Nahuatl for "water". He is best known for distorted landscape paintings of the volcanoes Popocatepetl and Ixtacihuatl.
ANS: Dr. Atl
(10) His Man at the Crossroads was pulled after furor caused by its containing a picture of Lenin. He repainted it and called it Man, Controller of the Universe.
ANS: Diego (María de la Concepción Juan Nepomuceno Estanislao de la) Rivera (y Barrientos Acosta y Rodríguez)
(10) This woman, crippled by a bus accident, divorced Rivera after learning of his affair with her younger sister Cristina, but later remarried him. She's pretty much known for self-portraits and being played by Salma Hayek. ANS: (Margarita) Fri(e)da Kahlo
5. Random stuff from chemistry, FTPE.
(10) With an atomic mass of approximately 1.0079 , this is the lightest of all elements.

ANS: hydrogen (prompt on H )
(10) Approximately 35 times as massive as hydrogen, this element complexes with a certain alkali metal to form table salt.
ANS: chlorine grudgingly accept chloride, despite the fact that it's an ion, not an element (prompt on Cl )
(10) He sometimes worked with hydrogen and chlorine, since he was a chemist. This English chemist has a namesake constant, symbolized capital F, which is defined as the magnitude of the charge per mole of electrons.
ANS: Michael Faraday
6. Answer these questions about famed literary transportation, FTPE.
(10) The name of the titular vehicle which bears Blanche Dubois toward the residence of Stanley and Stella Kowalski ANS: Desire
(10) The Desire line takes Blanche part of the way to Elysian Fields, a neighborhood in this Southern city. ANS: New Orleans
(10) To reach Elysian Fields, Blanche must transfer to a second streetcar with this grim name.

ANS: Cemetery
7. Answer these questions about the hottest new TV historical drama, The Tudors, FTPE.
(10) Jonathan Rhys-Meyers is ludicrously cast as this central figure of the Tudor dynasty (the question-writer thinks it was because John Goodman was busy). Not like you need any help, but he wrote Defense of the Seven Sacraments.
ANS: Henry VIII of England
(10) Natalie Dormer is cast as this luscious temptress and Henry's future second wife.

ANS: Anne Bolevn (prompt on "Anne")
(10) The author of this question imagines that, should the show prove a success, Jessica Biel will eventually be cast as this staunch Catholic Tudor who took the throne in 1553. She married Felipe II of Spain and killed a lot of people.

## ANS: Mary I of England or "Bloody Mary"

8. F10PE, identify each of the following about grammatical cases.
(10) The name for this case comes from the fact that it provides the lemma for a particular noun. In languages in which it is used, it functions almost exclusively as the subject of a clause or sentence.

## ANS: Nominative

(10) In several languages, such as Latin and Greek, this case provides the stem for a noun and indicates its declensional pattern. It is most often used to mark possession, though other uses exist.
ANS: Genitive
(10) Basque, Ossete, and Finnish all feature this case which shows accompaniment. Similar cases can be found in Tamil and many of the Dravidian languages, where it is known as the sociative case.
ANS: Comitative
9. Identify these geometric shapes FTPE:
(10) The boundary of the convex hull in 2 -space formed by the equations x greater than zero, x less than $2, \mathrm{x}$ plus y greater than zero, and $x$ plus $y$ less than 17 .

## ANS: parallelogram

(10) The general shape in 2 -space formed by the equation x squared over a plus y squared over b equals 1 , where a and b are not equal.
ANS: ellipse
(10) The shape formed in 3 -space by the equation x squared plus y squared plus z squared equals r squared.

ANS: 3 -sphere (I guess 2 -sphere is acceptable as well because that's what crazy topologists appear to call it; prompt on "ball" which is evidently the interior of the sphere)
10. Identify each of the following works by Edvard Grieg, F10PE.
(10) Norwegian folk influence is present from the first movement of this work, Grieg's Opus 16, which features halling-inspired rhythms in the first and final movements. Its opening is reminiscent of a similarly named Schumann piece.
ANS: Piano Concerto in A Minor, Op. 16
(10) This suite in 5 movements is dedicated to the birth of a Norwegian playwright and features influences from $18^{\text {th }}$ Century dances, thus prompting its name.
ANS: Holberg Suite or From Holberg's Time or Fra Holbergs Tid, Op. 40
(10) Grieg's most famous work is the incidental music to this play by Henrik Ibsen, of which the most famous movement is In the Hall of the Mountain King.
ANS: Peer Gynt
11. Very few people can claim their wives died after their dresses caught fire. FTPE:
(10) This poet could have done so after his wife's passing in 1861. He is known for producing the first American translation of Dante's Divine Comedy and was a member of the Fireside Poets.

## ANS: Henry Wadsworth Longfellow

(10) One of Longfellow's most famous works is this epic poem, which describes the betrothal of the titular girl. ANS: Evangeline
(10) This poem was written in the same meter as the Finnish epic, the Kalevala. It describes the legend of the title character and his love, Minnehaha.
ANS: The Song of Hiawatha
12. For the stated number of points, answer these questions about developmental psychology:
(10) Identify this man, considered the Father of Developmental Psychology, who wrote The Origin of Intelligence in Children.
ANS: Jean Piaget
(5PE) Now, for 5 points each, name the four stages of development as according to Piaget.
ANS: Sensorimotor, Preoperational, Concrete Operational, and Formal Operational
13. God can be pretty wrathful. FTSNOP:
$(5,5) \quad$ These two cities were famously destroyed by fire and brimstone in Genesis, ostensibly for the sins of their inhabitants. Name them, 5 each.
ANS: Sodom and Gomorrah
(5) The only righteous man in Sodom, he escapes the destruction and has children by his two daughters after his wife turns to salt.
ANS: Lot
(15) Give the name of either of the other two cities destroyed along with Sodom and Gomorrah.

ANS: Admah or Zeboim
14. International politics. Well, the questions are all about one country, just not the US. So, in a sense, national politics, FTPE.
(10) Leader of the bloodless 1999 coup that overthrew Prime Minister Nawaz Sharif, this current world leader subsequently succeeded Muhammad Rafiq Tarar as President of his nation. He agreed to aid the US in the War on Terror, thereby allowing Operation Enduring Freedom to commence.
ANS: President Pervez Musharraf
(10) Musharraf is President of this Islamic Republic that borders India and has its capital at Islamabad.

ANS: Pakistan
(10) This is the name of the 2006 memoir written by Musharraf. The Wall Street Journal took offense at it being called an autobiography, suggesting that it was more of an "auto-hagiography".
ANS: In the Line of Fire: A Memoir
15. Name the mythological deity, 30-20-10
(30) He is said to have ruled over the Golden Age of Man with his wife Ops.
(20) The son of Uranus and Gaia, he is associated with agriculture and the harvest. A namesake feast was celebrated in his honor around the winter solstice.
(10) The Roman counterpart to Cronus, he was overthrown by his son Jupiter and is the namesake of the sixth planet from the Sun.
ANS: Saturn (do not prompt on "Cronus" as the 30-point clue is uniquely Roman)
16. Name these romantic-era authors, FTPE:
(10) He was expelled from Oxford for publishing The Necessity of Atheism, though he is better known for such works as The Masque of Anarchy and Adonais.
ANS: Percy Bysshe Shelley
(10) Shelley became the son-in-law of this author of A Vindication of the Rights of Women, among other feminist works.
ANS: Mary Wollstonecraft
(10) One of Wollstonecraft's works, Original Stories from Real Life, was illustrated by this author of The Marriage of Heaven and Hell and Visions of the Daughters of Albion.
ANS: William Blake
17. Identify these parts of a certain organ FTPE:
(10) People like your question writer have to take pills when they go to the dentist to prevent bacterial inflammation of this, the inner lining of the heart.
ANS: endocardium
(10) This is the fluid-filled sac that surrounds and protects the heart.

ANS: pericardium
(10) BS your way to 30 points by giving me the general name for heart muscle.

ANS: myocardium
18. Given the organization system, name the composer, FTPE. You'll get 5 points if you need works.
(10) RV, organized by Peter Ryom (ree-OHM)
(5) The operas Semimmide and La fida Ninfa, as well as a work based on four sonnets he allegedly wrote himself.

ANS: Antonio Vivaldi
(10) KV, organized by Ludwig von Köchel ( KOH -chul)
(5) The Jupiter Symphony and more likely than not "Twinkle, Twinkle Little Star"

ANS: Wolfgang Amadeus Mozart
(10) BWV, organized by Wolfgang Schmieder (SHMY-der)
(5) A famous Mass in B Minor and a bunch of Passions

ANS: Johann Sebastian Bach
19. Name some stars, FTPE. If you need a trash clue you get 5 .
(10) This star, important in navigation, is the brightest in the constellation Ursa Minor.
(5) It's the mutant name of X-Men member Lorna Dane

ANS: Polaris (do not prompt on "the North Star")
(10) This star system is the closest to Earth and is also known as Rigil Kentaurus.
(5) It shares its name with a Sid Meier game.

ANS: Alpha Centauri
(10) Named after its discoverer, it is the fourth closest known star to the Sun and a member of the constellation Ophiuchus.
(5) In the Hitchhiker's Guide to the Galaxy, this star serves as a "sort of hyperspace juncture."

ANS: Barnard's Star
20. The Cabinet is no place to be for a presidential hopeful. Given the failed presidential candidate, name the cabinet position he or she held, FTPE.
(10) Stewart Udall held this post for the Kennedy and Johnson Administrations before serving as campaign manager for his brother Mo's failed candidacy in 1976.
ANS: Secretary of the Interior
(10) Ed Muskie, 1968 Democratic vice presidential candidate and 1972 presidential candidate himself, before settling in this Carter Administration post.
ANS: Secretary of State
(10) Tommy Thompson held this post in the Bush Administration before fleeing a sinking ship and is now a 2008

Republican presidential candidate with a snowball's chance in Hell of getting nominated.
ANS: Secretary of Health and Human Services

