

2000 Michigan MLK Memorial
Packet by Ezequiel Berdichevsky:

1.

Set off the coast of Peru, a Captain comes across a drifting slave ship, turned into a death trap. The slaves have rebelled and Don Aranda's skeleton had been turned into a ghoulish figurehead with the slogan "Follow your leader," around it. FTP identify this story published as part of the *Piazza Tales* in 1856 focusing on Amasa Delano's encounter with the title character.

Answer: Benito Cereno

2.

The reverse of gluconeogenesis, it involves the formation 2 molecules of the biochemical precursor pyruvate. In the process 2 NAD⁺ are reduced to NADH and must be regenerated via the electron transport chain. The pyruvate proceeds either to the Citric Acid Cycle in aerobic respiration or the Lactic Acid Cycle in anaerobic respiration. FTP, name this process occurring in the cytosol, Latin for breakdown of sugar.

Answer: glycolysis

3.

The name of this uprising went back to the to the Sung dynasty and was thought to promote salvation from Buddha through its affiliation with an ancient secret society. Occurring in the mountainous Sichuan border region, it wanted a restoration of the Ming dynasty and the deposition of the Ching administration of courtier Hexian (Ho-shen). FTP identify this peasant uprising that lasted from 1796-1804, named after a pure flower.

Answer: White Lotus Rebellion

4.

Located in the Guadarrama Mountains, the original design consists of a great rectangle of three parts. On the south are five cloisters in which are included the palace and offices; on the north are the living quarters. However, Juan Bautista de Toledo's designs were revised extensively by Juan de Herrera who brought the whole building to completion in 1584 thus ensuring the dream of Philip II who wanted it built. FTP identify this monastery built to house the remains of Spanish sovereigns.

Answer: El Escorial

5.

Its new ambassador to London, Saad Mujiber, arrived to discuss boxes received from a Chinese company called Hontex. Although they were labeled auto parts, British Foreign secretary Robin Cook recently confirmed that they contained components for the building of SCUD Missiles. A complaint is expected to be lodged against this country by ambassador Dalton. FTP identify this nation led by Moammar Gadhafi.

Answer: Libya

6.

In his *Capitalism, Socialism, and Democracy*, he argued that capitalism would eventually perish of its own success, giving way to some form of public control or socialism. His *History of Economic Analysis* is an exhaustive study of the development of analytic methods in economics. FTP identify this Austrian economist and social thinker whose most important contributions came about through his analysis of Business Cycles.

Answer: Joseph A. Schumpeter

7.

The first painter to receive the Presidential Freedom Award conferred by Pres. Kennedy, his subject matter comes almost entirely from two localities: the Brandywine Valley and the area near his summer home in Maine. Lesser known works include *The Trodden Weed* and *Nicholas*. In his most famous work two buildings loom in the background, the barn is in the center under a clear sky, while the farmhouse on the top right is the subject of the title character's gaze. FTP identify this artist of *Christina's World*.

Answer: Andrew Wyeth

8.

Set in Lyme Regis, this novel features a fictionalized Dante Gabriel Rossetti who takes in the jilted title character. Though he is engaged to Ernestina Freeman, when the amateur paleontologist, Charles Smithson, sees the sensual Julia Woodruff he is smitten and falls for her, but does not get the girl. FTP identify this 1967 work, turned into a film with a script by Harold Pinter, written by John Fowles.

Answer: The French Lieutenant's Woman

9.

Although the entire Valley of Oaxaca was eventually incorporated into the expanding Aztec empire, the remnants of this tribe at Tehuantepec maintained their independence until the Spanish conquest. Their supreme capital thrived between the years 300 and 900 and they left behind the oldest dated hieroglyphic inscriptions yet discovered in Mesoamerica. After wars with the Mixtec, they moved the capital to Mitla. FTP identify this Indian people who built the splendid hilltop metropolis of Monte Alban.

Answer: Zapotec

10.

Construct a box from a heat insulating material. Cut a small hole in one face of the box, whose diameter is small compared to the length of the sides. Heat the inside of the box. Thermal radiation from the inside escapes from the hole, but any radiation entering the hole gets lost inside the box. FTP, you have just created what object, the study of which led Boltzman and Planck to the quantum theory of energy?

Answer: blackbody radiator (accept blackbody radiation)

11.

Some of the pertinent observations made by this picture include: "You got to be a stupid motherfucker to get fired on your day off!" It also features an attractive older neighbor who waters her lawn in daisy dukes and a drug-dealer who call himself Big Worm. When John Witherspoon isn't blowing up the bathroom, Deebo, the bike riding bully is making life miserable on Craig's porch. FTP identify this 1995 comedy featuring Chris Tucker as Smokey and Nia Long as Debbie, writer-star Ice Cube's girlfriend.

Answer: Friday

12.

All of the hymns in book nine of the Rig Veda are invocations in his honor and in later mythology, he is depicted as the moon that was supposed to be drunk by the gods and then filled again. His name also identifies a Brahmin offering to the gods brought from heaven by a falcon. FTP identify this intoxicating drink brewed by Hindu priests in ancient times.

Answer: Soma

13.

John Howard, Duke of Norfolk, was killed in the initial skirmish and although called to the area by the King, Thomas, Lord Stanley, and Henry Percy, Earl of Northumberland, failed to assist in battle. When royal forces moved against Henry Tudor, Sir William Stanley turned on his regent and attacked the King's flank overpowering his forces. FTP identify this Aug 22, 1485, battle at which Richard the III was defeated and killed.

Answer: Bosworth Field

14.

It unified the state properties of a gas into a single equation, linked by the Universal Gas Constant. The mistake generally made in applying it is not choosing the proper units for that constant. Its development meant that Boyles Law, Charles Law, and Avogadro's Law were all obsolete, and that no one need write questions on them any further. FTP, identify this law, expressed by $PV=nRT$.

Answer: Ideal Gas Law

15.

More than one-third of the island lies higher than 1,500 feet, and it has the highest relief of the West Indies, at Duarte Peak in the Cordillera Central. The main rivers are the Yaque del Norte, the Yuna, and the Artibonite. It lies between Cuba to the West and Puerto Rico to the East. FTP identify this island discovered by Columbus that has two capitals on it: Santo Domingo and Port au Prince.

Answer: Hispaniola

16.

She is described as "personal, petty, and mean" in a new book published by Random House, and written by Jeffrey Toobin of the New Yorker called "A Vast Conspiracy." It reveals that when this woman worked in the White House she bragged about an affair with LBJ. FTP identify this literary agent who ironically instigated the Lewinsky scandal by urging Linda Tripp to tape the conversations.

Answer: Lucianne Goldberg

17.

His second novel was called *The Ancient Child*, and his poetry is collected in the volumes *Angle of Geese and Other Poems* and *The Good Dancer*. All of these works focus in one way or another on his Kiowa Indian heritage, whose legends he translated in *The Way to Rainy Mountain*. FTP identify this Oklahoma-born author whose first novel was the Pulitzer Prize winning *House Made of Dawn*.

Answer: N. Scott Momaday

18.

She makes an old man wish for younger days with the clothes she wears and her sexy ways. She knows that she's got everything that a woman needs to get a man. She's the one, the only one, built like an Amazon. FTP identify this mighty, mighty woman, subject of a funky song by the Commodores.

Answer: Brick House

19.

The strong force, involving color charge, is mediated by the strong charge, while the weak force is mediated by the W and Z bosons, the electromagnetic force by photons, and gravity by the hypothetical graviton. Matter is composed quarks, electrons, and neutrinos, with three families of each. While a complete description of experimental results, it lacks a unified description of all the forces. FTP, name this theory, whose first step towards unification was taken with the development of the electro-weak theory.

Answer: Standard Model

20.

His collected works were published after his death by his son Immanuel. Another Immanuel inspired this man's first work, "Essay towards a Critique of All Revelations." Crucial to his metaphysics is the concept of the creative ego. He also posited the state as ultimately moral and published "Addresses to the German Nation" in that vein. FTP identify this German philosopher best known for *Foundation of the Complete Theory of Knowledge*.

Answer: Johann Gottlieb Fichte

21.

In this play, a man is deceived into letting his daughter marry Tom Allworth the page of Lord Lovell. The deception is caused by the initial mistreatment of Frank Wellborn whose property is seized by a notorious extortionist. In the end Frank gets his belongings back, Margaret marries Tom, and Sir Giles Overreach is sent to Bedlam. FTP identify this 1633 work, the most famed comedy of Philip Massinger.

Answer: A New Way to Pay Old Debts

22.

Earlier in his career, he had led a small band of sailors into Tripoli and set fire to the captured American frigate Philadelphia. He also defeated the frigate Macedonian in celebrated engagement. However, he was killed after a court-martialed captain, James Barron, shot him in a duel. FTP name this Maryland born naval officer who commanded the frigate United States during the war of 1812.

Answer: Stephen Decatur

23.

He first appeared in a special issue that had him fighting against the Incredible Hulk. When his own miniseries came out, he was involved in Japanese intrigue and fought against the ninja clan known as "The Hand." This Canadian has had a crush on Jean Grey ever since he joined the X-Men. FTP identify this comic book character also known as Logan whose skeleton and claws are made of adamantium.

Answer: Wolverine

24.

The Fort Peck Dam which graces the cover of the first issue of LIFE magazine was photographed by this journalist. Collections of other work include: *North of the Danube* about Czechs before the Nazi invasion; *Say, Is this the USA* an American Panorama; and *You have seen their Faces* about sharecroppers in the South. All of these were collaborations with her then husband Erskine Caldwell. FTP identify this photojournalist who covered WWII and the Korean War in pictures.

Answer: Margaret Bourke-White

25.

In the two-volume *Myth and Machine*, he writes about the dehumanizing effects of modern technology. However, the most prevalent subject for this American philosopher and social critic is tackled in earlier publications such as *The Urban Prospect* and *The City in History*. FTP identify this man who most famously explored man's relationship with the urban environment in *The Culture of Cities*.

Answer: Lewis Mumford

26.

He had lived abroad most of his life working as a newspaper correspondent for La Nacion a Buenos Aires Newspaper. It was as a journalist that he wrote his poems *Cantos de Vida y Esperanza* and his *A Roosevelt* condemning the US for the seizure of the Panama Canal. FTP identify this poet who wrote *Azul* at the age 20 and whose *Prosas Profanas* were seen as the high point of modernismo.

Answer: Ruben Dario

27.

If its interpretation as a geometrical distortion is to remain valid, its presence should create potential energy. Since $E=mc^2$, this implies the presence of mass, but the presence of mass should create more of it, and therefore a change in its measurement. Just such a correction was discovered in late 1999. FTP, name this physical phenomenon, of which Einstein interpreted geometrically but Newton interpreted as a force.

Answer: Gravity

28.

Mark Malloch Brown noted that it kills more people than world wars and it marks the first time the UN Security Council has addressed a health issue. On January 10, 2000, vice-president Gore pledged 100 million dollars to help stop the spread of this disease so prevalent in sub-Saharan Africa. FTP identify this killer caused by HIV.

Answer: AIDS

Bonuses:

1.

Identify the following regarding the kidneys FTPE:

(10) This is the basic specialized cell unit of the kidney, analogous to the neuron in the nervous system.

Answer: nephron

(10) This is the vein that carries filtered blood away from the kidneys

Answer: renal vein

(10) Name either of the two hormones that stimulates the reabsorption of water, one by stimulating sodium reabsorption and the other by directly increasing the nephron's permeability to water.

Answer: Anti-Diuretic Hormone or aldosterone

2.

Identify these works by Andre Gide FTP each:

(10) This novel focuses on the relationship between cousins Jerome and Alissa who can never get together and die lonely.

Answer: Strait is the Gate

(10) This work focuses on the people encountered by the writer Edouard when he encounters a gang of the title characters. It features a tragic suicide by the young student Boris.

Answer: The Counterfeiters

(10) In this novel, the blind orphan Gertrude is seduced by a Swiss pastor who wants to keep her away from the hands of his son Jacques.

Answer: The Pastoral Symphony

3.

Identify the following women psychologists for 15 points each:

(15) She invented the paired-associate method of measuring learning and memory and founded the psychology laboratory at Wellesley College. In 1891, she also became the first female president of the APA.

Answer: Mary Whiton Calkins

(15) This woman's work focused on color vision. The theory that bears her name describes the nature and evolutionary emergence of black-white, red-green, and blue-yellow photoreceptors.

Answer: Christine Ladd-Franklin

4.

Identify the following about a river FTP each:

(10) Formed by the confluence of streams in Krkonose mountains it used to form part of the demarcation between East and West Germany.

Answer: Elbe

(10) This German city was known as "Venice on the Elbe" before it got bombed into the Stone Age.

Answer: Dresden

(10) This Northern German city is the country's largest port and commercial centre.

Answer: Hamburg

5.

Identify the starting NBA point guard given the two guard that plays beside him FTP each:

(10) Nick Anderson

Answer: Jason Williams

(10) Michael Dickerson

Answer: Mike Bibby

(10) Ron Mercer

Answer: Nick Van Exel

6.

Identify the following about a battle in southern Boetia FTP each:

(10) Xenophon reported nearly 1000 Spartan deaths in this 371 BC battle fought on the plains which give the battle its name.

Answer: Leuctra

(10) Epaminodas led the Theban army to victory over the Spartans at Leuctra by massing these heavily armed infantrymen instead of dispersing them.

Answer: Hoplites

(10) This Spartan King lost his life to the left wing of hoplite warriors.

Answer: Cleombrotus

7.

Answer the following about a recent resignation in the federal government F15 points each:

(15) This deputy secretary of defense resigned this week to become head of a Washington think tank.

Answer: John Hamre

(15) Defense secretary William Cohen named this man to replace John Hamre.

Answer: Rudy de Leon

8.

Identify the following about a Russian Novel 10-5-15

(10) Published in four volumes between 1928 and 1940 the novel traces the intrusion of the revolution into the Cossack region of Russia.

Answer: The Quiet Don or Quiet Flows the Don

(5) *The Quiet Don* was written by this author.

Answer: Mikhail Sholokhov

(15) This is the main character of the novel does not convert to completely to communism by the end of the story.

Answer: Gregor Melekhov

9.

Given the classic rap album, identify the artist 5-5-10-10

(5) *The Low End Theory*

Answer: A Tribe Called Quest

(5) *The Chronic*

Answer: Dr. Dre

(10) *Paid in Full*

Answer: Eric B. and Rakim

(10) *Ready to Die*

Answer: Notorious B.I.G or Biggie Smalls

10.

Identify the following about the Golden Fleece FTP each:

(10) The ram from which the fleece is taken was sent by this god to rescue Phrixus and his sister.

Answer: Hermes

(10) Although the rescue was successful, the aforementioned girl drowned and the straits into which she fell thereafter bore this name in her honor.

Answer: Hellespont (accept just Helle if they give it)

(10) When Phrixus reached Colchis, he gave the ram to this King who nailed its fleece to an oak in the grove of Ares.

Answer: Aeetes

11.

Identify the following about an event in colonial history. FTPE

(10) Fighting first broke out at Swansea in June 1675, after which this conflict spread rapidly across southern New England.

Answer: King Philip's War

(10) The eponymous leader of King Phillip's War was the leader of what Indian tribe.

Answer: Wampanoag

(10) Before they declared war, the Wampanoag had lived in relative harmony with the whites under this chief, Philip's father.

Answer: Massasoit

12.

Answer the following regarding stereochemistry, FTPE.

(10) The term for two molecules different only in configuration around a single carbon center, they come in mirror images, a "left-handed" and "right-handed" configuration.

Answer: enantiomers

(5/5) These are the letters used to designate whether a particular sample is left-handed or right-handed.

Answer: R and S

(10) This is the property exhibited by enantiomer pairs, defined as not being superimposable in its own mirror image.

Answer: chirality or chiral (ky-rell)

13.

Identify the following about a composer FTP each:

(10) This good friend of Liszt became organist at the famed Church of the Madeleine in Paris in 1857. It is no wonder that one of his most important works is an Organ Symphony.

Answer: Camille St-Saens

(10) After producing his first symphonic poem, *Omphale's Spinning Wheel*, St Saens composed this work in which xylophones are used to convey the eerie mood of the title.

Answer: Danse Macabre

(10) This 1877 opera was originally rejected in Paris because of the objections against depicting Biblical characters onstage.

Answer: Samson et Dalila (accept Samson and Delila)

14.

Answer the following about women in a 16th century poem FTP each:

(10) Only six of the planned twelve volumes were completed in this epic that centers on Gloriana another name for the title character.

Answer: The Faerie Queene

(10) Book 1 of the Faerie Queene focuses on the Red Cross Knight who after many adventures marries this virgin.

Answer: Una

(10) This evil enchantress tries to keep the knight from his beloved Una.

Answer: Duessa

15.

Identify the following about obscenity trials FTP each

(10) This 1873 law named after an American reformer outlawed the transportation of obscene matter in the mail.

Answer: Comstock law or act

(10) In this 1957 ruling the Supreme Court redefined obscenity by stating that if the average person, "applying contemporary community standards, finds the dominant theme of the material" to be lewd it goes.

Answer: Roth vs. US

(10) Finally, this 1973 decision declared that the state in question could prohibit the sale of materials that portray sexual conduct in a patently offensive way.

Answer: Miller v. California

16.

Identify the American painters of the following landscape scenes given a title FTP each:

(10) "Kindred Spirits"

Answer: Asher B. Durand

(10) "The Rocky Mountains"

Answer: Albert Bierstadt

(10) "Heart of the Andes"

Answer: Frederic Church

17.

Answer the following regarding the skin, FTSNOP,

(5) Name the outermost layer of the skin

Answer: epidermis

(10) ~~This is the~~ ^{the} connective tissue beneath the skin, called the hypodermis, is primarily composed of what type of cell, which have a white and brown variety?

Answer: fat or adipose

(15) This innermost layer of the epidermis is continually regenerated, which leads to complete epidermal replacement every few weeks.

Answer: stratum basalis or stratum germinativum

18.

Answer the following about Ancient Egypt FTP each:

(10) Located on the west bank of the Nile, 16 miles south of Cairo, it was a major city of ancient Egypt and served as the capital city throughout the Old Kingdom.

Answer: Memphis

(10) According to legend, it was this man, the first king of a united Egypt, who built Memphis.

Answer: Menes

(10) Along with the necropolis of Saqqara nearby Memphis, the most impressive building in the city was thought to be a temple built to honor this primary deity.

Answer: Ptah

19.

Identify these works by Carson McCullers FTP each:

(10) Published in 1946 it features Berenice the housekeeper who speaks to Frankie Addams and her sickly cousin John Henry at the kitchen table.

Answer: *The Member of the Wedding*

(10) This novella is focused on the destruction of the title place by the estranged Marvin Macy and Lymon, the sexy dwarf, who team to abuse poor Amelia Evans.

Answer: *The Ballad of the Sad Café*

(10) Set in a Georgia Mill town, after his Greek companion of 10 years goes insane John Singer goes to live with the Kelly family and eventually blows his brains out.

Answer: *The Heart is a Lonely Hunter*

20.

Identify the following about a WWI battle 5-10-15

(5) A preliminary encounter between the battle-cruiser squadrons of David Beatty and Franz von Hipper was followed by a full-scale battle between two main fleets in the North Sea.

Answer: Battle of Jutland

(10) Identify the admiral and commander of British forces at the 1916 battle of Jutland.

Answer: Adm. Sir John Jellicoe

(15) For a final fifteen points identify his opposing commander whose strategic brilliance was undermined by the fact that the Germans would never leave the port again for the duration of the war.

Answer: Adm. Reinhard Scheer

21.

Identify the following about a recent Buddhist defection 5-10-15:

(5) In the first week of January, a fourteen year-old boy fled from this capital of Tibet and arrived in Dharmasala.

Answer: Lhasa

(10) When this boy arrived in Lhasa, it marked the biggest Buddhist defection since the Dalai Lama left in 1957.

Answer: Ugyen Trinley Dorje

(15) Ugyen Dorje is the 17th incarnation of this type of holy figure.

Answer: The Karmapa Lama

22.

Consider the following traveling wave function $A\sin(kx - \omega t)$ (read *A sine quantity k x minus omega t*). Find the following FTSNOP (a letter answer is sufficient):

(5) Amplitude
Answer: A

(10) angular frequency
Answer: omega

(15) wavelength
Answer: $(2\pi)/k$

23.
Identify the following about voodoo FTP each:

(10) Although voodooists profess belief in a rather distant supreme God, the effective divinities are a large number of spirits known by this name.
Answer: loa

(10/10) For ten points each, give the specialized names of the voodoo priest and priestess.
Answer: Houngan is the priest, mambo is the priestess

24.
FTPE, Identify these works of 20th century literature inspired by the Onion's Man of the Millennium: Death.

(10) In this poem, a farmer, Warren, and his wife, Mary, discuss the return of the old farmhand Silas who has come home to kick the bucket.
Answer: "The Death of the Hired Man"

(10) Triumphant over corrupt Spanish priests and indifferent Indians Joseph Vaillant and Jean Latour organize the new catholic diocese in New Mexico.
Answer: Death Comes for the Archbishop

(10) This 1957 work focuses on six year-old Rufus Follet and tells of the events of a fatal automobile accident and its effect on the survivors.
Answer: A Death in the Family

25.
Identify the following about Cambodia 10-5-15 each

(10) This river enters Cambodia from Laos at the Khone Falls
Answer: Mekong

(5) Identify the capital of the country.
Answer: Phnom Penh

(15) Called the Elephant Mountains by the French, this range in the southwest reaches its height at Mount Bokor.
Answer: Dâmrei Mountains

26.
Identify the composers of these Operas beginning with the letter R

(10) *The Rakes Progress*
Answer: Igor *Stravinsky*

(10) *Ritorno d' Ulisse in Patria*
Answer: Claudio Monteverdi

(10) *Robert le Diable*
Answer: Giacomo Meyerbeer

27.

Identify this island, 30-20-10

(30) Discovered by Americans in 1859 and annexed in 1867, for a long time it served as a cable station.

(20) It consists of two islets Eastern and Sand and was used as an airplane refueling stop after 1935.

(10) On June 4, 1942, a battle was fought off its coasts when a force led by Admiral Nimitz defeated a Japanese contingent led by Yamamoto

Answer: Midway Island