

Packet Submitted for Occidental Quiz Bowl by Wesley Mathews
Questions written for Technophobia 5

Tossup 1: Physics

If a current is run through beryllium, zinc, or cadmium in the presence of a transverse magnetic field, a positive EMF will be measured across the sample. This demonstrates that charge conduction in these occurs via the propagation of positively charged holes, whereas in most metals, charge is carried by electrons and the EMF is negative. For 10 points--what is this effect used to determine the nature of charge carriers in semiconductors?

answer: The _Hall Effect_

Tossup 2: Ancient History

He favored provincials over Italians and the army over the Senate, a policy which his son would carry even further by extending Roman citizenship to the provinces. A citizen of Leptis Magna, he worked his way into a consulship, and became governor of Upper Pannonia in AD 190. His successful march on Rome after the death of Publius Pertinax led to the purging of the Praetorian Guard and institution of martial law. His reign was characterized by extensive judicial reform and building projects that included the Hippodrome. For 10 points--name this emperor from 193 to 211, who in his last years co-ruled with his sons Geta and Caracalla.

answer: Lucius _Septimius Severus_ Pertinax

Tossup 3: World Literature

His own war experience in the Royal Air Force provided some inspiration for his short story "The Full Belly," which appears with "The Night The Prowler" in the collection ~The Cockatoos~. Although born in London, his novels distinctly reflect the ascent from savagery of another country, the first of these being ~Happy Valley~ and ~The Tree of Man~. For 10 points--name this author of ~Night on Bald Mountain~, ~The Vivisector~ and ~Riders in the Chariot~, Australia's only recipient of the Nobel Prize for Literature.

answer: Patrick Victor _White_

Tossup 4: Geography

The rapid construction of this city's only major attraction came after a quarrel with John Paul II over the planned height of the Our Lady of Peace Basilica's 489 foot dome. Located at approximately 7 degrees north and 5 degrees west, it lies south of the Lac de Kossou between the Nzi and Bandama Rivers. Because it was the home of longtime president Felix Houphouet-Boigny, it, rather than its twin capital to the south, became its nation's economic growth center. For ten points, name this location of the largest Christian church in the world, and capital de jure of Cote d'Ivoire.

answer: _Yamoussoukro_

Tossup 5: Fine Arts (Renaissance Painting)

Originally part of the altarpiece of San Francesco de Macci in Florence, this painting's title figure stands on a pedestal holding the infant Christ, flanked by Saint Francis of Assisi, two cherubs and John the Evangelist. The pedestal is decorated by two winged sculptures that gave the work its name when Vasari mistook them for some particular creatures of Greek myth. For 10 points--name this 1517 work by Andrea del Sarto, which has absolutely nothing to do with smelly, human-faced vultures.

answer: _Madonna of the Harpies_

Tossup 6: Religion (?)

She once danced before Yahweh at a wedding, and it is for this reason the soles of her feet and hands were spared by the Dogs of Jezreel after her defenestration at the command of Jehu. The daughter of Prince Ethbaal of Tyre, she persuaded her husband to introduce worship of the god Baal Melkart to Israel, thus angering the prophets Elijah and Elisha. For 10 points--name this wife of King Ahab.

answer: _Jezebel_

Tossup 7: Astronomy

For the mass of the Sun it is about two miles and for you it is about 10 to the negative twenty-third centimeters. To find it for any object, multiply the universal gravitational constant by the product of the mass and two, and divide by the speed of light, squared. It is the radius below which the attraction between the particles of a star must cause it to collapse irreversibly under its own gravity. For 10 points--name this quantity, the radius of the event horizon of a singularity, named for a German astrophysicist who predicted the occurrence of black holes.

answer: _Schwarzschild_ Radius (prompt on "event horizon")

Tossup 8: European History

He modelled himself after his grandfather, who had been canonized after dying on crusade in North Africa. His grandfather would have approved of his expulsion of the Jews, but might have frowned at his other exploits. To finance his ongoing wars with England, he borrowed large sums from the Knights Templar, and when he defaulted, he abolished the order and had its leaders tortured to death. His earlier arrest of the bishop of Pamiers sparked a quarrel with Pope Boniface VIII, whom he attempted to arrest for heresy. Later he pressured Clement V to come to France, beginning the "Babylonian Captivity" at Avignon. For 10 points--name this son of Saint Louis IX who first called the Estates General to explain his fights with the papacy.

answer: _Philip IV_, or _Philip the Fair_

Tossup 9: Fine Arts (Music)

His career almost ended in 1872 when his pupils turned against him for his musical despotism and he took a post as a railway clerk. Although he resumed directorship of the Free School a few years later, he spent his last decades in retirement, a far fall from the time in which he composed the music for ~King Lear~. His vacations to the Caucasus produced the ~Islamey Fantasia~ and the symphonic poem ~Tamara~, but he is probably better remembered as the mentor of four other brilliant composers. For ten points, name this leader of the Mighty Five and composer of the Russia Symphony.

answer: Mily Alekseyevich _Balakirev_

Tossup 10: Geography

Visitors to this country might visit the intriguing cities of Monkey River, Orange Walk or Go to Hell Camp. Also of interest to tourists are the ruins at Altun Ha and Lubantun, nestled in the Cockscomb Range which is the backbone of the country. Naturalists climb Victoria Peak, the highest point, or explore the second largest reef in the world, which stretches from the mouth of the Sartsun to Chetumal Bay in the north. For ten points, name this English-speaking nation on the Gulf of Honduras whose capital is Belmopan.

answer: _Belize_

Tossup 11: English Literature

The subject of a Lucian dialogue and a Moral Essay by Pope, another author has him at the center of his high society until he begs for help after wasting his fortune throwing lavish parties. Denied by his former patrons, he invites them to one last banquet, but insults them in a particular manner while screaming "uncover, dogs, and lap!" He then takes to a cave, his only companions being his servant Flavius, the philosopher Apemantus and Alcibiades. For 10 points--name this Athenian misanthrope who offers his fig tree to the senate upon which to hang themselves as a refuge from the plague in a play by Middleton and Shakespeare.

answer: _Timon_

Tossup 12: Mythology

Probably adopted from the Hittite pantheon, this deity's first manifestations were as a goddess of wheat and grain, and the storehouse gates were her first emblem. Her Sumerian evolution brought her to the sphere of contradictory elements, notably fire and fire-quenching and fair play and enmity. This daughter of Enlil forms an astral triad with Shamash and Sin in Akkadian lore, but is primarily associated with the city of Erech, a center for prostitutes and courtesans. For 10 points--name this Mesopotamian goddess of

fertility and bodily love.

answer: _Ishtar_ (accept: _Inanna_)

Tossup 13: Current Events

During the Frank Rizzo years, he was a radio journalist known as the voice of the voiceless. More recent events, however, include protests over his punitive detention for writing _Live from Death Row_. Born with the name Wesley Cook, he ascended rapidly to the rank of minister of information in the Black Panther Party. Controversy still surrounds the drivers licence application of a third man held by officer Daniel Faulkner on the night of his murder, but--for 10 points--what anti-police brutality spokesperson is sentenced to die for the murder of a Philadelphia policeman in December, 1981?

answer: Mumia _Abu-Jamal_

Tossup 14: Sports

He developed chronic encephalopathy in 1984 from his long, successful career. Convicted of violating the Selective Service Act for religious reasons, he was stripped of his title and barred from the ring in 1967, returning one year before the Supreme Court overturned the conviction only to lose a 15 round decision to the world champ. After recovering against Frazier in 1974, he faced a new champion in Kinshasa. For 10 points--name this boxer who, after defeating George Foreman, defended his title of World Heavyweight Champion no less than nine times before losing out to Spinks in 1978.

answer: _Muhammad Ali_ (Cassius Marcellus _Clay_)

Tossup 15: Biology

Occuring mainly in the Diamantina drainage basin, the microlepidatus species possesses the ability to stand erect on its sharp tail to frighten off its enemies. This curse of Brisbane City Parks is now milked to diagnose and treat lupus, though one variety of genus ~Oxyuranus~ delivers enough miolysin and neurotoxins in one attack to kill 60 humans, a venom 50 times as toxic as the common Indian cobra. For 10 points--name this reptile with Cape York. Papuan, and the most lethal Fierce Snake varieties, which lays eggs unlike Australia's other dangerous snakes.

answer: _taipan_

Tossup 16: World History

Early rulers of its Sakalava period included Radama I who welcomed colonization, and his widow Ranavalona, who had many Christians thrown from a cliff into the Indian Ocean. The Franco-Merina war left the French control of the port of Diego Suarez, but with the arrival of Gallieni, they soon retook the island. A 1958 revolution by the PSD overthrew the French, and leadership passed from Philibert Tsiranana

to Ramanantsoa, and finally to Didier Ratsiraka. For 10 points--this is the history of what country whose more familiar figures include Claude Simon and Captain Kidd?

answer: _Madagascar_ or _Malagasy Republic_

Tossup 17: American Literature

Some scholars believe its title comes from the Latin for "To wail loudly." The author is reminded of the funeral of his beloved after passing through an "alley Titanic," where he sees a vision of Astarte. Over the wishes of Psyche, he decides to join the vision in the constellation Leo only to be stopped by the door of a tomb which bears the title inscription. For 10 points--name this work by Edgar Allen Poe, which takes place down by the dark tarn of Auber in the ghoul-haunted woodland of Weir.

answer: _Ulalume_

Tossup 18: General Knowledge (?)

A result of the collaboration of August Wynn and the Great Southwestern Corps, it was sold successively to Penn Central Railroad, Bally Manufacturing, Wesray and Time Warner. Its first offices were in Arlington, Houston, and Saint Louis. Despite controversy over the use of one of its symbols, it spread out of the south in the mid 1960's to Jackson, New Jersey. For 10 points--name this corporation known also for a venture in Valencia, California whose inventions include the Flashback, Viper, Goliath and Superman rides.

answer: _Six Flags_ (do not accept Magic Mountain, or any other venture)

Tossup 19: Earth Science

Evidence for the most recent of these anomalies is the pleistocene Brunhes-Matuyama chron which can be detected in 700,000 year old basalts near mid ocean ridges. Thought to result from magnetic feedback generated by opposing electric currents at the center of the spinning earth, they are predicted because for every solution to the core dynamo equation that yields a field of normal polarity, there exists a solution that yields a field of reversed polarity. For ten points, name these paleomagnetic "blips" that allow for the tracking of tectonic plates.

answer: _geomagnetic_ field _reversals_ or equivalent

Tossup 20: North American Literature

Like Stephen Crane, he was sent to Bulgaria to cover the Balkan Wars, but like Ernest Hemingway, he wrote for the Toronto Star. Continuing his wartime experiences, he drove an ambulance during World War I, an experience recounted in _Rhymes of a Red Cross Man_. However, his literary career had begun at a higher latitude in the 1890's with the publication of _Songs of a Sourdough_, and it is

with this period he is primarily associated. For 10 points--name this author of _The Trail of '98_ whose ballads of the far north earned him the nickname "The Canadian Kipling."

answer: Robert William _Service_

Boni by Occidental College

Bonus 1: Identify these geographic features associated with the Sahara Desert, for 10 points each.

A: By far the largest body of water in the region, this marshy lake is fed by the Chari-Logone river system. It lies in three countries, two of these being Niger and Nigeria.

answer: Lake _Chad_

B: Located mainly in Algeria, these vast eastern and western aeolian regions contain much of the desert's sand, and are anomalous to the rocky plain that comprises most of the Sahara.

answer: the _Erg_s

C: This highland area of Northern Chad contains the highest peak in the Sahara, Mount Emi Koussi, and the Uranium bearing Aozou Strip.

answer: the _Tibesti Massif_

Bonus 2: Dante reserved a special place in the 7th Circle for the violent against art. For 10 points each, answer the following questions.

A: The works of these 19th Century artists that included John Everett Millais and Lord Frederick Leighton were frequently savaged, in one case during a protest led by Charles Dickens.

answer: _Pre-Raphaelites_

B: In a speech to artistic revolutionaries, Kasimir Malevich once suggested the slashing of this historic painting by Ilya Repin depicting a monarch cradling his recently slain son. It was found badly damaged a day after the speech was delivered.

answer: _Ivan the Terrible and His Son Ivan_ on November 16, 1581.

C: A riot by anti-Dadaists resulted in the destruction of this piece by Man Ray, which consisted of an eyeball on the pendulum of a metronome.

answer: _Object to be Destroyed_

Bonus 3: "The Falcon of Sir Federigo," "The Rhyme of Sir Christopher," "Scanderbeg," "Torquemada," "Charlemagne," "The Ballad of Carmilhan," and "The Bell of Atri."

A: For 10 points--these poems are recited a la Chaucer by a Student, a Landlord, a Spanish Jew, a Theologian, a Poet, a Musician and a Sicilian in what verse collection by Henry Wadsworth Longfellow?

answer: _Tales of a Wayside Inn_

B: The largest and most important tale in ~Tales of a Wayside Inn~, this long poem is recited by the Musician. Beginning with Thor's Challenge, it recounts the life, journeys and death of a Norse ruler.

answer: The _Saga of King Olaf_

C: The Landlord tells this first and probably most famous tale in the Inn that takes place "On the eighteenth of April in Seventy Five," and tells of a silversmith who warned Concord of a coming invasion.

answer: _Paul Revere's Ride_

Bonus 4: Answer these related questions for the number of points stated.

A: In June, 2000 Thomas Blanton and R. Frank Cherry walked into an Alabama Courthouse and turned themselves in for bombing a landmark site of civil rights history in 1963. For 10 points--name the building allegedly bombed by these two men.

answer: the _Sixteenth Street Baptist Church_

B: For five points, name the city in which the crime was committed.

answer: _Birmingham_

C: For 10 points--name the ex-Klansman convicted of the bombing in 1977 who died in prison without disclosing any information about his co-conspirators to investigators.

answer: Robert Edward _Chambliss_

D: For five points, this director released a short film, "Four Little Girls," shortly before the FBI reopened the bombing case in May, 2000.

answer: Spike _Lee_

Bonus 5: Know thy heresies. Given a system of beliefs, give the name of the heresy for 10 points each.

A: Christ is not divine, but had a definite beginning and therefore the father and the son cannot be one person, nor can the son have any knowledge of the father.

answer: _Arianism_

B: God and Christ are the epitomal forces of good in the world, but the hiearchy of the church causes corruption and sin, and therefore the church is an evil force.

answer: _Albigensianism_

C: Christ was not resurrected, nor did he ascend into heaven, because he was a ghost his whole life who only appeared to exist. Moreover, he could not have truly suffered on the cross for mankind's sins, because he didn't have a body.

answer: _Docetism_

Bonus 6: Identify the following somehow similar U.S. Supreme Court Cases given decisions for 10 points each.

A: Chief Justice Taney determined that Congress alone had power to suspend a writ of habeas corpus during times of rebellion, a decision ignored by Abraham Lincoln in the incarceration of a Maryland dissenter.

answer: _Ex Parte Merryman_

B: A 1944 ruling concluded that the wartime relocation of Japanese-Americans to internment camps was not unconstitutional.

answer: _Korematsu vs. United States_

C: A 1958 decision stated that taking U.S. citizenship away from wartime deserters from the armed forces is unconstitutional, thereby repealing the Nationality Act of 1940.

answer: _Tropp vs. Dulles_

Bonus 7: Name these titans and moons of Saturn for 10 points each.

A: This Titan of Light and early sun god married his sister Theia. Their sons included Eos, Selene, and Helios.

answer: _Hyperion_

B: The father of Atlas, he was quite dismayed by another of his son's theft of fire from the gods.

answer: _Iapetus_

C: She tricked her husband Chronus into swallowing a stone instead of her son, Zeus.

answer: _Rhea_

Bonus 8: Answer the following about the novel _Look Homeward, Angel_ for the number of points stated.

A: For five points, name its author.

answer: Thomas _Wolfe_

B: For another five points, name the son of a sculptor whose childhood and education at Pulpit Hill is the main storyline.

answer: _Eugene_ Gant

C: For 10 points--name either Eugene's hometown or the fictional state in which Wolfe has most of the novel take place, a rough representation of the city of Asheville in North Carolina.

answer: _Altamont_ (town) _Catawba_ (state)

D: For a final ten, name the elegy by John Milton that inspired the novel with its line "Look homeward Angel, now, and melt with ruth."

answer: _Lycidas_

Bonus 9: Name these parts of the brain, for 10 points each.

A: Its functions include regulating thirst, controlling weight gain and stimulating the pituitary release of oxytocin and vasopressin. It is the region directly below the Thalamus.

answer: _hypothalamus_

B: Its functional centers govern heart rate, digestion and respiration, through its connection with the spinal cord at the lowest part of the brain.

answer: _medulla_ oblongata

C: This horseshoe-shaped mass of nerve fibers transfers motor impulses to the facial area and connects the medulla to the cerebellum.

answer: _pons_

Bonus 10: Given the title of a piece within a larger composition, name the composition for 10 points each. If you are unable to name the composition, name the composer given the composition for 5 points.

A: 10 Points: "Sabre Dance"

answer or 5 Points: _Gayane_

answer: Aram _Khachaturian_

B: 10 Points: "Vltava"

answer or 5 Points: _Ma Vlast_ (or My Homeland)

answer: Bedrich _Smetana_

C: 10 Points: "In the Hall of the Mountain King"

answer or 5 Points: _Peer Gynt Suite_

answer: Edvard _Grieg_

Bonus 11: Ancient History: Name these Assyrians for 10 points each.

A: His rule coincided with the Golden Age of Strength. Known as Pulu to the Hebrews, he ended the rule by terror tradition begun by Assur Nasirpal, first used conscription to build his army and created the world's first postal service.

answer: _Tiglathpilesar III_

B: After establishing his capital at Nineveh, he wheeled west to conquer Judea and defeat the Phoenicians. He besieged Jerusalem at the time of King Hezekiah, but at the last moment, mysteriously withdrew.

answer: _Sennacherib_

C: Of less importance to history, legend has it that this last Assyrian king burned down his palace including himself and his harem when Nineveh was besieged by the Chaldeans, inspiring a work of art by Delacroix.

answer: _Sardanapalus_

Bonus 12: Identify the following from optics for 10 points each.

A: If the refracted ray is not to be 90 degrees, this law governs the change in direction from the angle of incidence to the angle of refraction when propagating light waves change mediums.

answer: _Snell's Law_

B: In a non-isotropic crystal, the formation of two refracted rays from one incident ray is described by this term, which also refers to the difference in index of refraction between the ordinary and extraordinary rays.

answer: _birefringence_

C: If a birefringent crystal is placed in an electric field, light whose vibration is in two directions will refract differently. Its birefringence will be proportional to the square of the electric field strength and inversely proportional to the wavelength of the incident ray as described by this effect.

answer: _Kerr Effect_

Bonus 13: Answer the following questions about the Gothic Novel for ten points each.

A: This 1764 work by Horace Walpole is considered the first true gothic novel.

answer: _The Castle of Otranto_

B: Influenced by Radcliffe and Godwin, this author of _Wieland_, _Ormund_ and _Edgar Huntly_ is largely responsible for the development of

the Gothic Novel in the United States.

answer: Charles Brockden _Brown_

C: This Peacock satire mocks the late Gothic gloom with characters like Diggory Deathshead and Mister Toobad and is concerned with the loss of Scythrop Glowry of both of his lovers.

answer: _Nightmare Abbey_

Bonus 14: Like geochemistry? Too bad, you're getting it anyway. Given three ores for an element, name the element sought for 10 points each.

A: Corundum, Bauxite, and Kaolinite

answer: _aluminum_

B: Annabergite, Millerite and Garnierite

answer: _nickel_

C: Ferberite, Scheelite, and Wolframite

answer: _tungsten_

Bonus 15: For 10 points each, given two cities, identify the river on which they both lie.

A: Macapa and Manaus

answer: The _Amazon_

B: Mandalay and Henzada

answer: The _Irrawaddy_ (Accept Burmese Ayeyarwady)

C: Ljubljana and Zagreb

answer: The _Zava_ (pron. Sava)

Bonus 16: 30-20-10-5 name the historical figure.

30: Along with Michael the Brave who lived at a later time, this grandson of Mircea the Old was called a national hero in his principality for his sometimes successful rebellions against Sultan Mehemet II.

20: This voivode of the house of Besarab converted to Catholicism, becoming the first ruler of Walachia to break with the Eastern Orthodox Church. He then began to crusade under his father's symbol, that of a crucified dragon.

10: While his time in the Janissary Corps taught him most of his bloody battle tactics, his innovations include the construction of "forests" of his victims; victims that he executed in a particularly gruesome way.

5: Although he probably never drank his victims' blood, his obsession with the stake as a method of execution came to be used against him by a certain Irish visitor some 4 and a half centuries later.

answer: _Vlad III_ or _Vlad the Impaler_ (or _Vlad Tsepesh_) (If they say Vlad Dracula, prompt for more information since there were several Vlads of the Order of the Dragon)

Bonus 17: For 10 points each, identify the following related to U.S. westward expansion, for 10 points each.

A: The phrase "manifest destiny" was coined by this man in 1845 to predict the overspreading of the North American continent by Americans.

answer: John L. _O'Sullivan_

B: This 1846 piece of legislation by a Pennsylvania Democrat would have prohibited slavery in any new territory gained from Mexico had it passed both houses of congress.

answer: The _Wilmot Proviso_

C: The idea that the distinctive history of the United States is due to its legacy of westward movement, known as the frontier thesis, is attributed to an 1893 essay by this Wisconsin-born historian.

answer: Frederick Jackson _Turner_

Bonus 18: Answer the following questions about the origin of baseball for 10 points each.

A: Tradition awards this man with the creation of the sport in Cooperstown, New York in 1839.

answer: Abner _Doubleday_

B: This British sport that uses a pentagon rather than a diamond and positions such as bowler and backstop is thought to be the the most likely ancestor of baseball.

answer: _rounders_

C: This man's innovations include setting the distance between bases at 90 feet and introducing a hard ball by forbidding the hitting of runners with a thrown ball. He is known for his role as chairman in a defining 1845 conference.

answer: Alexander Joy _Cartwright_

Bonus 19: On October 12, 2000, a destroyer was suicide-bombed on its way from the Mediterranean to the Persian Gulf. For 10 points each, answer

these questions.

A: Give the name of this United States Ship

answer: the USS Cole

B: The Cole was approaching Aden Harbor in this country when a small craft loaded with explosives ploughed into it and blew up.

answer: Yemen

C: This president of Yemen has suggested that the explosion was caused by technical problems, but has nonetheless pledged to punish any organization found to be responsible.

answer: Ali Abdullah Saleh

Bonus 20: For this World History bonus I bring you: Thailand. Name these Siamese kings for 10 points each.

A: He came to power in 1782, succeeding the warrior Taksin, moving his capital from Thonburi to Bangkok, crossing the river that bears his name, which means Great Lord. He established the dynasty that reigns still today.

answer: Chao Phraya Chakri (prompt on Rama I)

B: He opened trade with Europe and made an attempt at westernization, but gave up when opposed. It is his court we see in the story of Anna and the King.

answer: Mongkut (prompt on Rama IV)

C: Continuing westernization into the 20th century in spite of opposition, this monarch abolished slavery and opened Siam's first university in Bangkok.

answer: Chulalongkorn (prompt on Rama V)