

VCU Closed

February 2, 2013

Packet by Columbia A (Michael Arnold, Matt Byrd, Aidan Mehigan, and Jon Xu) and Ottawa A (Jordan Palmer)

1. One division within this period is marked by the appearance of *Pseudostaffella antiqua*. Containing internal stages such as the Serpukhovian, Bashkirian and Gzhelian, it saw Laurasia and what would become China enclosing the Paleo-Tethys Sea. During it, the 6-foot long centipede *Arthropleura* and *Meganeura*, a dragonfly with a wingspan over 2 feet, thrived. Formation of the (*) Urals began during it. It saw the emergence of the amniote egg, which allowed eggs to be borne on land. This period was characterized by large rainforests, which later died to give this period its name. For 10 points, name this period divided into the Mississippian and Pennsylvanian, occurring from 359 to 299 million years ago, named for its coal-creating swamps.

ANSWER: Carboniferous Period

2. Two recent books on this event are Parsons's *The Birth of Modern Politics* and Cole's work titled *Vindicating* the winner of this contest. This campaign featured the "coffin hand bills" attacking the successful candidate for the killing of six soldiers; the losing candidate was attacked for allegedly procuring an American girl for the Russian tsar and for charging a billiard table in the White House with public funds. Richard (*) Rush tried to take the Vice-Presidency in this election, which ended up not changing hands despite the defeat of the incumbent President. For 10 points, name this acrimonious rematch of the Corrupt Bargain election, which ended with Andrew Jackson defeating John Quincy Adams.

ANSWER: United States Presidential election of 1828

3. The bottom portions of this building's walls are adorned with depictions of the seven virtues and seven vices, which run parallel to tiers depicting the life of Christ, the life of the Virgin, and the life of Joachim. A transverse line of ten medallion portraits runs across this building's otherwise plain cobalt vault, which is dotted with gold stars. One painting in this building is "peeled away" at the top by two angels and depicts blue (*) demons pulling sinners out of a river of blood and stuffing them into pits while Satan sits on a dragon and eats people. In a depiction of *The Last Judgment* in this building, its patron offers a model of it to the Virgin Mary. For 10 points, name this chapel commissioned by Enrico Scrovegni and decorated by Giotto.

ANSWER: Arena Chapel [or Scrovegni chapel before it is read]

4. In this play, one character's last words are "thanks for the light," after which he leaves two cards in his friend's mailbox with a black cross over the name and prepares to die of "consumption of the spine." A person described as having a "diseased moral character" in this play notices that a surety bond was signed three days after the signer's death. The protagonist realizes that "I was simply transferred from (*) papa's hands into yours" and that she was living "with a strange man, and had borne him three children" then slams the door in this play, in which a fraudulent loan for a recuperating vacation to Italy is discovered by Krogstad. For 10 points, name this 1879 play by Henrik Ibsen about the end of Torvald and Nora Helmer's marriage.

ANSWER: A Doll's House [or A Doll House; or Et Dukkehjem]

5. One city in this state is home to the Marsha Sharp Freeway, which at the Avenue L exit presents the controversial piece of public art known as “The Windy Man” sculpture. Another city in this state has numerous quirky art projects funded by Stanley Marsh III, including “Dynamite Museum,” a series of hundreds of parody road signs; a Robert Smithson (*) ramp named for that city; and a circle of half-buried cars. Another large public art project in this state is the Caelum Moor, a five-acre landscape in the Richard Greene Linear Park, which sits next to a 100,000 seat stadium that has the fourth-largest video screen in the world. The Cadillac Ranch and Cowboys Stadium are human geographical features of, for 10 points, this state that has the cities of Lubbock, Amarillo and Dallas?

ANSWER: Texas

6. In *The Illiad*, this deity strikes Artemis on the ear, causing Artemis to leave battle and climb into Zeus’s lap. The birth of this deity under the Iygos tree was celebrated in the Toneia at the sanctuary of Samos, while the pear tree and cow were sacred to this entity. This goddess was once handcuffed with a golden chain and hanged with anvils dangling from her feet. She is the mother of Eileithya and (*) Hebe, and she wears the *polos*. Described as “white-armed,” she dogs the steps of a person who, as a cow, is the origin of the term Bosphorus. For 10 points, name this tormentor of Io, the eldest daughter of Kronos and Rhea and mother of Eris and Ares, who attacks those who sleep with her brother-consort Zeus.

ANSWER: Hera [or Juno]

7. In particle physics, this word names peaks in the cross section of a scattering experiment corresponding to the indirect observation of short-lived particles. The “width” within which this effect can take place is equal to the viscous coefficient over the mass, and as that gamma ratio decreases, this effect becomes more pronounced. In LC circuits, this effect occurs alongside minimum impedance at one over the square root of (*) inductance times capacitance. The Q-factor can be defined as the ratio of this effect’s associated frequency to the aforementioned width. Via a von Karman vortex street, this effect destroyed the Tacoma Narrows bridge. For 10 points, name this increase in amplitude that occurs when an oscillator is driven at its natural frequency.

ANSWER: resonance

8. According to biographer Oliver Evans, this book’s author described it as “an ironic parable of Fascism.” One character in this novel plays chess with his best friend, but since the friend refuses to learn the moves, it’s actually this work’s main character making moves for both sides. That friend can’t resist stealing food from his cousin who took a more (*) Americanized name. Another character in this novel is beaten after trying to protest the treatment of his son Willie, who had his feet amputated after being put in a cold room for trying to escape from prison. That man, Dr. Benedict Copeland, is the only black doctor in town and is the father of Portia, who along with the drunk agitator Jake, café owner Biff and teenager Mick, befriends the mute John Singer. For 10 points, name this novel by Carson McCullers

ANSWER: *The Heart is a Lonely Hunter*

9. This man won an election after the disaster at Arausio, even though he wasn't legally old enough to stand for office. Early in this man's career, he served in the army of Scipio Aemilianus during the siege of Numantia. He clashed with his patron Quintus Caecilius Metellus when Metellus wouldn't let this man abandon the campaign against (*) Jugurtha to stand for the consulship of 108. After the Italian allies of Rome had been incited to seek enfranchisement by the tribune Livius Drusus, he took command against them in the Social War. For 10 points, name this Roman statesman who died just seventeen days into his unprecedented seventh consulship, paving the way for the dictatorship of his former subordinate Sulla.

ANSWER: Gaius Marius

10. In one appearance, this character is told to prepare a Dodo egg and "rotate my office so that the window faces the hills." The remains of this man's father are discovered inside a device variously known as a corpse hatch or innocence tube. In one episode, this man's attempt to get home in time to view *Pardon My Zinger* leads to him shooting Jasper in the wooden leg. This character practices (*) "sycophantic German" with the phrase, "you looken sharpen todayen, Mein Herr." This president of the Malibu Stacey fan club is exposed as the informant on Bob Terwilliger's mayoral campaign, and is concealed within a parade float celebrating "the closet" alongside Patty Bouvier. For 10 points, name this homosexual character voiced by Harry Shearer, a lackey of Mr. Burns on *The Simpsons*.

ANSWER: Waylon Smithers, Jr. [or Waylon]

11. This architect used the garden of the Sant Boi Mental Hospital and employed its patients to make prototypes. This architect designed a hotel that would have been New York City's tallest building had it been constructed, and the plans for his Hotel Attraction were later submitted in the contest to redesign Ground Zero. This architect collaborated with Josep Maria (*) Jujol whenever ironwork was needed for his buildings, such as in the balconies of a building known as La Pedrera, or, The Quarry. One building designed by this man represents St. George slaying the dragon with its cross-topped tower plunging into a colorful reptilian roof. Another building by him has twelve portal towers representing the twelve apostles and is slated for completion in 2026 when its Glory facade is finished. For 10 points, name this architect of Casa Batlló and the Sagrada Família.

ANSWER: Antoni Gaudí i Cornet

12. In this man's first major victory as a general, he was aided by the heroism of Abdon Calderon, and his later victories were primarily due to cavalry led by William Miller. The main suspect in the death of this man was a later national president Jose Maria Obando, who likely ordered this man's assassination after he presided over the (*) Admirable Congress. This man was defeated at the Second Battle of Huachi, after which he rallied his troops at Latacunga before ultimately defeating Melchor Aymerich. His other major success saw him defeat Jose de la Serna. Those victories were the Battles of Pichincha and Ayacucho. For 10 points, name this primary lieutenant of Simon Bolivar, the namesake of one of the capital cities of Bolivia.

ANSWER: Antonio Jose de Sucre

13. In one poem by this author, the speaker “walked with one I loved two and thirty years ago” before concluding that “the voice of the dead was a living voice to me.” In addition to writing “In the Valley of Caunteretz,” this author also wrote some unsuccessful plays about Farmer Dobson and Mr. Philip Edgar. This writer of *The Promise of May* and *Harold: A Drama* described a creature “ringed with the azure world” in “The (*) Eagle.” He lamented, “The woods decay, the woods decay and fall” in another poem, in which “after many a summer dies a swan.” For 10 points, name poet of “Tithonus” who memorialized a group that charged “into the valley of death” in “The Charge of the Light Brigade”.
ANSWER: Alfred, Lord Tennyson

14. This organism’s genome acquired a virulence factor from the 933W prophage. One product of this organism, which is named for a different bacterium, is a toxin whose A subunit cleaves the 28S ribosomal RNA and whose B subunit binds to globo-tri-acyl-ceramide. Children infected by this organism can suffer from a form of kidney failure similar to TTP called hemolytic-uremic syndrome. Unusually for its species, it fails the Sereny invasion test, it cannot grow in 0.15% bile salts, and it does not ferment (*) sorbitol. It’s not Shigella, but this organism has the ability to produce shiga-like toxin. For 10 points, name this infectious gram-negative bacterium, which has the serotype O157:H7, is transmitted by undercooked hamburgers, and causes bloody diarrhea.
ANSWER: Escherichia coli O157:H7 [or Enterohemorrhagic E. coli; you only need E. coli, but all of the clues refer to O157:H7; accept just O157:H7 before mention]

15. During the “Historian’s Quarrel” this figure attacked the “apologetic tendencies in German writing on contemporary history” in *Die Zeit*, singling out Hillgruber and Nolte for downplaying the Holocaust. This man wrote about the Bush administration in *The Divided West* and penned 2009’s pessimistic *Europe: The Faltering Project*. He had noted dialogues with Pope (*) Benedict XVI on “post-secularism.” Claiming that social sciences paradigms do not see a historical progression but deal with all ideas “on equal footing,” this thinker reviewed the work of Weber, Durkheim, and Parsons in his *Theory of Communicative Action*. For 10 points, name this Frankfurt school social theorist who wrote *The Structural Transformation of the Public Sphere*.
ANSWER: Jurgen Habermas

16. In one of this author’s poems, the speaker addresses “perverse males” who “with hot breath fogs the glass,\then laments it is not bright!” This author of “Arraignment of the Men” and “Pawns of a House” wrote “Pyramidal, funereal and Earthen\Born like shadow and aimed in vain\Like the raised point of an obelisk\Set towards the sky” to begin “First Dream.” She proclaims “by studying I may become less ignorant” in a response to the Bishop of (*) Puebla. In that work, “Letter to Sister Philotea,” she justifies her decision to join a Carmelite convent at the age of fifteen.” An Octavio Paz’s *The Traps of Faith* gives a biographical account of this author. For 10 points, name this Mexican poet, feminist, and Hieronymite nun whose many sonnets earned her the epithet the “Tenth Muse” of Mexico.
ANSWER: Sor Juana [or Sor Juana Ines de la Cruz; or Juana de Asbaje y Ramírez de Santillana]

17. In one account, this man had Francois-Joseph Belanger construct the Chateau de Bagatelle in sixty-three days in order to win a bet against Marie Antoinette. This ruler's advisors included Jean-Baptiste de Villèle and Jules de Polignac, and this man's reign saw the passage of the Anti-Sacrilege Act, the disbanding of the National Guard, and the French invasion of Algeria. He fled to Savoy with his wife Marie-Therese during the French Revolution, and later lived in (*) Great Britain with his mistress Louise de Polastron in the court of George III. However, this ruler is better known for issuing the Ordinances of St. Cloud in an attempt to disband the Chamber of Deputies, which led Adolphe Thiers and Jacques Laffitte to call for a revolution to end the Bourbon Restoration. For 10 points, name this brother of Louis XVI and Louis XVIII who was succeeded by Louis Philippe as King of France.

ANSWER: Charles X of France [prompt on Charles]

18. This composer didn't finish an opera set in Moorish Spain, which was instead completed by Gustav Mahler. This composer used a Chinese melody in composing incidental music for Friedrich Schiller's translation of *Turandot*. In addition to writing *The Three Pintos* and the song cycle *Four Temperaments on the Loss of a Lover*, this composer took one of his earlier piano concertos and added woodwinds, brass, and timpani to the score for the "Konzertstück in F minor." His (*) "Concertino for Horn and Orchestra" features a technique called "multiplonics." He is better known for writing an opera in which a fairy king rescues Prince Huon and his lover Reiza from the Emir of Tunis. For 10 points, identify this German composer of *Invitation to a Dance* and *Oberon* who also wrote about the sharpshooter Max in *Der Freischütz*.

ANSWER: Carl Maria von Weber

19. This character once captured a garrison at Geba with a thousand men, and in another instance this man and his armor bearer single-handedly slaughtered twenty Philistines. This man was nearly put to death upon consuming honey and unknowingly violating a command of fasting issued by his father. While covering for his best friend, this brother of Malchi-shua and Ish-bosheth was called "a (*) son of a perverse, rebellious woman" by his father. This figure then told a servant boy "The arrows are beyond you," in order to warn that friend of Saul's treachery. After this man's death in a battle on Mount Gilboa, his best friend showed kindness to his crippled son Mephibosheth. For 10 points, name this Biblical prince featured in 1 Samuel, a son of Saul who was King David's best friend.

ANSWER: Jonathan

20. Diamminesilver(I) hydroxide can react with the simplest of compounds to produce a dianion used in Reppe Chemistry. One type of cycloaddition occurs when these compounds react with alkenes and carbon monoxide in the Pauson-Khand reaction. One type of compound containing this functional group has a pKa of 25, and can be deprotonated using sodamide; that is its (*) terminal variety. Reacting excess Br₂ with these compounds yields geminal dihalides, while a poisoned palladium catalyst is often used to prevent these compounds from completely hydrogenating to form alkanes. For 10 points, name this class of organic compounds containing sp-hybridized carbons characterized by a triple bond, and whose simplest member is acetylene.

ANSWER: alkynes

TIEBREAKER/EXTRA

21. One character in this novel has a cigarette case made of skin from the policeman who tortured his father to death, wishes to marry Milly, and opines that Catholics are more torturable, just as they are more criminal. That man is bested in a checkers game where the pieces are tiny bottles of scotch, allowing the protagonist to steal his gun and kill Carter in revenge for the death of a man who successfully decoded messages using Lamb's Shakespeare, Dr. (*) Hasselbacher. The protagonist had earlier avoided death at a trade meeting presided over by Dr. Braun, where a lack of carrots on his plate indicates poison. The protagonist earns money from the spy Hawthorne by sketching vacuum cleaner parts and claiming they are military installations in the mountains. For 10 points, name this novel featuring James Wormold, set in Batista's Cuba and written by Graham Greene.

ANSWER: **Our Man in Havana**

22. In a chapter in one work by this man, a certain author was found "simpleminded" by Marxist critics like Deutscher and Norris, and Irving Howe is approvingly quoted for his remark that that author "lives most significantly for his own age." That chapter is "The Intellectual in Europe: Orwell on Cruelty," where this philosopher praises Orwell for making people like O'Brien seem possible, but contrasts him with Nabokov who was discussed in the "Barber of (*) Kasbeam" section. This man argues that the third title concept is given by literature and culture rather than philosophy in that work by him *Contingency, Irony, and Solidarity*. For 10 points, identify this American pragmatist, possibly best known for *Philosophy and the Mirror of Nature*.

ANSWER: Richard **Rorty**

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1. There are apparently two different notable mathematicians named Borel. For 10 points each.

[10] The Heine-Borel Theorem says that a subspace has this property if and only if it is closed and bounded. This type of space has the property that picking an infinite number of points in them would get you arbitrarily close to any point.

ANSWER: compact

[10] Armand Borel did a lot of work with these mathematical structures, which are both groups and smooth manifolds.

ANSWER: Lie groups

[10] The Borel-Cantelli is an important result in this field, which assigns a namesake value to subsets of a set and is often used to combine discrete and continuous probability theory.

ANSWER: measure theory

2. The prologue to this work begins by saying the author desires to placing something into the guardhouse of the Lord's treasury, a reference to Luke 21:2 and Mark 12:42. For 10 points each:

[10] Identify this work by an Archbishop of Paris that was later subdivided into 85 "Distinctions."

ANSWER: *The* Sentences [or Sententiarum or Four Books of Sentences]

[10] *The Sentences* were subdivided, arranged and popularized by Alexander of Hales, but they're still known as a work of this man, who quite reasonably got the nickname Magister Sententiarum.

ANSWER: Peter Lombard

[10] One of the apparent inspirations for the systematic approach Lombard took in *Sentences* was *Sic et Non*, a work by this man who had a pretty calamitous life.

ANSWER: Peter Abelard

3. One critic complained that this work made him "neither hear, nor see, nor feel" the title object. For 10 points each:

[10] Name this work in three parts, with the first, written in B minor, scored as "very slow-animate little by little." Its last part, marked "animated and tumultuous," is scored for, amongst other things, glockenspiel and tamtam.

ANSWER: *The* Sea [or *La* Mer]

[10] *The Sea* is by this Impressionist composer of *The Girl with the Flaxen Hair*, homages to Haydn and Rameau, and *Suite Bergamasque*.

ANSWER: Achille-Claude Debussy

[10] This other French Impressionist composer of a famous *Pavane* and *Requiem* in D minor headed the Paris Conservatory and modernized it beginning in 1905. The teacher of Ravel, this composer of *La Chanson d'Eve* also ventured into opera with his *Penelope* (puh-NELL-oh-pee).

ANSWER: Gabriel Urbain Fauré

4. Wayne Morse and Ernest Gruening found themselves isolated in a Senate vote in the wake of this event. For 10 points each:

[10] Name this 1964 "incident" that saw three small torpedo boats get into an altercation with a DESOTO patrol vessel.

ANSWER: The Gulf of Tonkin Incident

[10] This ship, along with the *USS C. Turner Joy*, was the main US ship involved in the Gulf of Tonkin incident. It was named for an early Marine commander.

ANSWER: *USS Maddox*

[10] This man, decades later the subject of much mockery for asking "who am I? why am I here?", was a commander of the air forces involved in the Gulf of Tonkin incident.

ANSWER: James Stockdale

5. It ends with the title character and his first wife Marguerite fading into blackness. For 10 points each:

[10] Name this work featuring Berenger the First, in which, contrary to the title, almost all the characters but the central one leave the stage.

ANSWER: *Exit the King* [or *Le Roi Se Meurt*]

[10] *Exit the King* is by this Franch-Romanian absurdist of pessimistic absurd dramas such as *The Chairs* and *Rhinoceros*. Berenger is a recurring character for this creator of *The Bald Soprano*.

ANSWER: Eugene Ionesco

[10] Fellow absurdist and French émigré Samuel Beckett created this character in *Waiting for Godot*. He becomes blind and has to be led by his slave by a rope he formerly pulled his slave Lucky by.

ANSWER: Pozzo

6. This psychologist used the "lost in the mall" story to demonstrate the ease of manipulating memory. For 10 points each:

[10] Name this pioneer in debunking "recovered memories," who often testifies as to the unreliability of eyewitness testimony and is regularly accosted by crazy people.

ANSWER: Elizabeth Loftus

[10] Loftus testified at the McMartin preschool trial in California, perhaps the most ridiculous instance of this 1980s panic which believed that America was riddled with pedophilic cults. Comedian Mike Warnke and the book *Michelle Remembers* helped drive this urban legend.

ANSWER: Satanic ritual abuse [prompt on partial answer]

[10] Loftus coined the name for this psychological effect, in which people who experienced an event firsthand later integrate news accounts and other descriptions of the event into their own memory.

ANSWER: misinformation effect

7. In 2010, scientists discovered the *f* type of this compound present in the cyanobacteria filaments of stromatolites. For ten points each:

[10] Name this porphyrin-containing compound more commonly found in *a* and *b* varieties. It is required for photosynthesis and contains a magnesium atom in its center.

ANSWER: **chlorophyll**

[10] This set of proteins contains a single chlorophyll molecule at its center, which is fed energy by antenna complexes. This photosystem transfers energy to plastoquinone and cytochrome b6f.

ANSWER: **photosystem II** or **P680** [prompt on **photosystem**]

[10] In this process, certain organelles from algae form a symbiotic relationship with the host, allowing the host to temporarily perform photosynthesis. The only species currently known to undergo this process is the sea slug *Elysia chlorotica*.

ANSWER: **kleptoplasty** or **kleptoplastidy**

8. This play's two halves are entitled "Millennium Approaches" and "Perestroika." For 10 points each:

[10] Name this Tony Kushner play in which Prior Walter, Louis Ironson's lover, is visited by a heavenly figure who tells him that God abandoned the United States after the great San Francisco earthquake.

ANSWER: **Angels in America: A Gay Fantasia on National Themes**

[10] In *Angels in America*, the ghost of Ethel Rosenberg haunts this character, who insists that his AIDS is actually liver cancer. After he dies, Belize gives his AZT to Prior.

ANSWER: Roy **Cohn**

[10] Throughout *Angels in America*, characters are convinced of the imminent undoing of the world; at one point, Prior Walter has a vision of an immense book opening to this letter, which bursts into flames.

ANSWER: **aleph**

9. Its second Empire reached its peak under Ivan Asen II. For 10 points each:

[10] Name this modern-day country, which frequently warred with the Byzantines and was the cause of Byzantine Basil II's epithet. It was granted independence from the Ottoman Empire by the 1878 Treaty of San Stefano.

ANSWER: **Bulgaria**

[10] This ruler of Bulgaria during World War II successfully resisted German deportation of Bulgaria's Jews. He was succeeded by son Simeon II, who, after abdicating was elected Bulgarian Prime Minister in 2001.

ANSWER: **Boris III** [prompt on **Boris**]

[10] This Bulgarian leader was in power from 1954 to 1989, making this head of state the longest serving Iron Curtain leader. He encouraged a personality cult known as *predanost*.

ANSWER: Todor Hristov **Zhivkov**

10. Patti Smith described her long-term relationship with this man in her memoir *Just Kids*. For 10 points each:

[10] Name this New York photographer who often rankled sensibilities with stark, black-and-white portraits with homoerotic and sadomasochistic themes, such as one of a man and a bullwhip.

ANSWER: Robert Mapplethorpe

[10] A late self-portrait by Mapplethorpe shows him holding a cane topped by one of these objects. Damien Hirst's *For the Love of God* is in the shape of one of these objects, and a distended one appears in *The French Ambassadors*.

ANSWER: a skull

[10] One of Mapplethorpe's most notable series is *Lady*, which explores the many appearances of this bodybuilding champion. Mapplethorpe variously depicts her nude, veiled, corseted, and holding a giant python.

ANSWER: Lisa Lyon

11. The goalie who lost Game 1 to this team in the 2006 Stanley Cup Finals was a backup who reached the Finals two more times with two other teams but has lost all three times. For 10 points each:

[10] Name this team whose Rod Brind'amour took advantage of an error by Ty Conklin to score the game-winning goal. This team was formerly the Hartford Whalers.

ANSWER: Hurricanes [or Carolina Hurricanes]

[10] Conklin was initially signed by this team, for which he committed that blunder, in 2001. Other stars on the 2006 team included Chris Pronger and Fernando Pisani, while they first rose to prominence with players such as Grant Fuhr, Mark Messier, and Wayne Gretzky in the 1980s.

ANSWER: Oilers [or Edmonton Oilers]

[10] Conklin was the starting goaltender on the American team, with this man as head coach, that won bronze at the 2004 International Ice Hockey Federation World Championship. The head coach of the Stanley Cup-winning Hurricanes in 2006, he is the current coach of the Philadelphia Flyers.

ANSWER: Peter Laviolette, Jr.

12. Normally hostile Crusader forces allowed the winning side at this battle safe passage, and the emissaries of the losing side had earlier been beheaded and displayed on the Bab Zuweila. For 10 points each:

[10] Name this 1260 battle fought between Mamluk Egyptian forces and the Ilkhanate Mongols, halting the Mongol advance in the Middle East at its namesake spring.

ANSWER: Battle of Ain Jalut

[10] Ain Jalut was a victory for this Mamluk commander, who was quickly overthrown by Baibars. This leader allegedly appeared helmetless during the battle, and his battle cry was "O my Islam!" He ruled Egypt for approximately a year.

ANSWER: al-Malik al-Muzaffar Saif ad-Din Qutuz

[10] The leader of the Mongol forces, Hulagu Khan, was not with his army during the battle, as he was involved in a succession struggle following the death of this Khagan, or head khan, in 1259, while on campaign in China. He was the last person to have effective rule over all the Mongol hordes.

ANSWER: Mongke Khan

13. Name these Roman poets, for 10 points each.

[10] One of this author's poems threatens to sodomize and irrumate Aurelius and Furius. This lyricist wrote many of his poems about Clodia, whom he anonymized as Lesbia in honor of Sappho.

ANSWER: Gaius Valerius Catullus

[10] This man wrote a poem promising that his ghost will attack the addressee after his death and threatens to mutilate the subject and force him to eat human flesh. This author of "Ibis" also wrote the *Tristia* and *Letters from the Black Sea* to lament his exile.

ANSWER: Publius Ovidius Naso

[10] This member of the Pisonian Conspiracy was forced to commit suicide at the age of twenty-five, but not before composing the epic *Pharsalia*, depicting the Pompey-Caesar civil war, and a criticism of Nero, *On the Burning of the City*.

ANSWER: Marcus Annaeus Lucanus

14. It postulated the existence of the namesake fiery element. For 10 points each:

[10] This theory, put forth by Johann Becher, held that air had only a certain amount of ability to hold the namesake material, which explained why a fire in an enclosed space would go out.

ANSWER: phlogiston theory

[10] This English scientist and theologian discovered "dephlogisticated air" which is actually oxygen gas, among other compounds, but refused to give up phlogiston theory.

ANSWER: Joseph Priestley

[10] This other scientist actually discovered oxygen before Priestley, though Priestley published first. He also discovered chlorine gas, which was later named by Sir Humphrey Davy.

ANSWER: Carl Wilhem Scheele

15. Name these Hindu gods who enjoy riding things, for 10 points each.

[10] This Vedic god of the sun and member of the supreme trinity with Indra and Agni rides seven horses in a chariot. He is the father of the physician twins, the Ashvins, as well as the death-god Yama.

ANSWER: Surya

[10] This god of love and consort of Rati fires arrows of flowers with a sugarcane bow strung with bees, and he is the namesake of a manual of sexual positions.

ANSWER: Kamadeva

[10] Sometimes conflated with Devi, this goddess rides on a tiger or lion. The slayer of the Buffalo-demon Mahashisura, this goddess is celebrated with a namesake Puja festival, sometimes said to commemorate her annual return home.

ANSWER: Durga

16. Answer the following about recent developments in women's rights, for 10 points each.

[10] On September 26, 2011 King Abdullah announced that women would both have the right to vote and be able to run in the 2015 municipal elections in this nation.

ANSWER: **Saudi Arabia**

[10] Saudi Arabia, ironically, ratified this UN international convention which came into effect in September of 1981 and aims to end gender-based discrimination. The United States signed but didn't ratify and Sudan, Somalia, and Iran remain non-signatories.

ANSWER: **CEDAW** [or **Convention on the Elimination of All Forms of Discrimination Against Women**]

[10] On March 8, 2011 Representative Tammy Baldwin of Wisconsin introduced legislation to remove the congressionally imposed deadline for ratification of this amendment. This amendment only garnered 35 of the needed 38 ratifications before its deadline for ratification expired in 1979.

ANSWER: the **Equal Rights Amendment** [or **ERA**]

17. In an odd piece of public works product placement, one holder of this position was the subject of a documentary depicting him taking public transportation through Norfolk. For 10 points each:

[10] Name this position held by the star of "John Betjeman Takes the Train."

ANSWER: **Poet Laureate** of the **UK** [prompt on partial answer, but accept "**British Poet Laureate**" or other English-type things that distinguish from the Poet Laureate of the U.S.]

[10] This man was appointed Poet Laureate after John Betjeman because Philip Larkin refused the title. His first collection was *Hawk in the Rain*, and he also wrote *Tales From Ovid*. He is alleged to have been a "man in black with a Mein Kampf look."

ANSWER: Ted **Hughes**

[10] Hughes's final collection, *Birthday Letters*, is about his depressing marriage to this author of *The Bell Jar*, who also described him as "the vampire who sucked my blood for a year" in "Daddy."

ANSWER: Sylvia **Plath**

18. This artist of *Storm in the Mountains* painted many views of Yosemite National Park and has a lake in Colorado named after him. For 10 points each:

[10] Name this German-born member of the Hudson River School.

ANSWER: Albert **Bierstadt**

[10] Bierstadt occasionally painted in this style which succeeded the Hudson River School. This term was coined by John Baur in 1954 to describe works of John Frederick Kensett and Fitz Hugh Lane which have dominant skies and clear light.

ANSWER: **luminism**

[10] Another occasional luminist was this painter of *Shooting for the Beef* and *Fur Traders Descending the Missouri*.

ANSWER: George Caleb **Bingham**

19. He agreed that a 25-man council should rule Britain in the Provisions of Oxford. For 10 points each:
[10] Name this king who ruled England for the majority of the thirteenth century and was succeeded by his son Edward I.

ANSWER: **Henry III** [prompt on **Henry**]

[10] The Provisions of Oxford were forced on Henry by this Earl of Leicester, the son of a French leader of the Albigensian Crusade. Leader of the barons, he was killed by Henry III's son Edward and a resurgent monarchy at the Battle of Evesham.

ANSWER: Simon de **Montfort**

[10] One of the jurists hearing complaints of de Montfort's erstwhile supporters was this English historian and jurist of *On the Laws and Customs of England*. Codifying the laws of England, this writer opined, "The king must not be under man but under God and under the law, because the law makes the king."

ANSWER: Henry de **Bracton**

20. Answer some questions about spherical lenses, for 10 points each:

[10] For a spherical lens, this value is equal to one-half times the radius of curvature. It is the distance from the lens at which an image is produced when the object is placed at infinity.

ANSWER: **focal length** [or **f**]

[10] In a spherical lens, this aberrations occurs because different wavelengths of light are refracted differently. It occurs in transverse and axial varieties.

ANSWER: **chromatic** aberration

[10] This number describes a material's ratio of dispersion to index of refraction. High values of this number indicate low chromatic aberration, and it's also known as the V-number.

ANSWER: **Abbe** number [or **constringence**]

21. This administrative unit included all the land from New Jersey to Maine. For 10 points each:

[10] Name this short-lived North American government with which Charles II tried to rein in some of his colonies. It began with the revocation of Massachusetts's commercial charter.

ANSWER: **Dominion of New England**

[10] The Governor of the Dominion of New England was this man. In April 1689, he was arrested by a Boston mob who were upset at his support of the Church of England and his limiting of their favorite New England institution, town meetings.

ANSWER: Sir Edmund **Andros**

[10] Andros's lieutenant governor, Francis Nicholson, administered New Jersey and New York before he was overthrown in this uprising.

ANSWER: **Leisler's** Rebellion