

**Minnesota Undergraduate Tournament 2013**

**Questions by Rob Carson, Mike Cheyne, Andrew Hart, Gaurav Kandlikar, Matt Menard, and Bernadette Spencer**

**Finals Round 1: Attacking the Teeth Directly and BRUTALLY**

**Tossups**

**1. One character in this novel, who claims that chamomile tea “tastes of window,” takes secret delight in eating asparagus because it makes his urine smell funny. A wife in this novel discovers that her husband is having an affair with Barbara Lynch when she smells his dirty clothes. In this novel, which begins with the smell of bitter almonds signaling the death of photographer Jeremiah Saint-Amour, Doctor (\*) Juvenal Urbino dies when he climbs a ladder in an attempt to corral a loose parrot. This novel ends with Fermina Daza and Florentino Ariza sailing on a boat and flying a flag signaling the title disease. For 10 points, name this novel by Gabriel Garcia Marquez.**

ANSWER: Love in the Time of Cholera [or El amor en los tiempos de cólera]

**2. Late in this war, thousands of men died during the “Carolean Death March.” The brutal military occupation of one modern day country during it is known as the “Greater Wrath.” The losing monarch in this war temporarily convinced Ahmed III to wage the Pruth River Campaign before dying at the Siege of Fredriksten. That monarch went to the (\*) Ottoman fortress at Bender along with Ivan Mazepa after losing this conflict’s final major battle. After this war, Frederick I formally recognized his country’s losses of Estonia and Livonia in the Treaty of Nystad. Despite winning the Battle of Narva, Charles XII’s army was eventually curbstomped at Poltava. For 10 points, name this war in which Peter the Great’s Russia defeated the Swedish Empire.**

ANSWER: Great Northern War

**3. This process can be achieved by multi-step metal oxide cycles, which may be unfeasible simply because they involve the use of chemicals other than the chemical central to this process. In one method of conducting this process, the central compound is first reacted with iodine and sulfur dioxide. This process restores the electron that ends up on NADPH during the light reactions of photosynthesis, during which it occurs at a (\*) manganese cluster. The SI cycle results in this process, and biologically, this process happens due to photo-oxidation in photosystems’ oxygen evolving complexes. This process yields a diatomic gas that is the basis for a namesake “economy.” For 10 points, name this process which can happen by electrolysis of the central substance, in which the O-H bonds of H<sub>2</sub>O are broken to make O<sub>2</sub> and H<sub>2</sub>.**

ANSWER: splitting of water [accept any logical equivalent about the “bonds of water being broken”; prompt on answers about “generating H<sub>2</sub>” or “generating Oxygen” before the last word]

**4. One work by this philosopher uses the metaphor of a man in a boat to illustrate the futility of trusting Schopenhauer’s *principium individuationis* to reduce suffering. That work’s second edition contained a preface in which this man declared it an “impossible book” and regretted “ruining the problem of the Greeks” with modern aesthetic examples. Another book by this author of “An Attempt at Self-Criticism” claims that widespread literacy has caused writing to be diluted for the masses. That book describes an evolution from (\*) camel to lion to child in the section “The Three Metamorphoses of Man”. This man’s first book contrasted the Apollonian and Dionysian aesthetics, while another of his books contains the metaphor of a tightrope walker to illustrate man’s evolution towards the ubermensch. For 10 points, name this German philosopher who wrote *The Birth of Tragedy* and *Also Sprach Zarathustra*.**

ANSWER: Friedrich Nietzsche [or Friedrich Wilhelm Nietzsche]

5. One group of writers from this country included the author of *The Pilot and His Wife*, the author of a novel whose title “Gift” can translate either as “Marriage” or “Poison,” and a Nobel-winning author of the two-part drama *Beyond Human Power*. The fourth member of this country’s “Four Greats” wrote a play in which a character imagines herself drowning in icy black water while attempting to stop her husband from reaching the mailbox. In another play by an author from this home country of Alexander Keilland, Jonas Lie, and (\*) Bjornstern Bjornson, Eilert Lovberg is urged to “die beautifully” by the wife of George Tessman. For 10 points, *A Doll’s House* and *Hedda Gabler* were set in what country by native son Henrik Ibsen?

ANSWER: Kingdom of Norway [or Norge]

6. This protein is bound by fascin in microspikes, and this protein binds to the cytoplasmic faces of catenins in cadherin junctions. Depolymerization of this protein is prevented by phalloidin. By catalyzing exchange of ADP for ATP on this protein, Profilin promotes its polymerization. Polymerization of this protein at (\*) lamellipodia allows cells to move. This protein is found in contractile rings that allow for cell division. This protein which, along with intermediate filaments and microtubules, makes up the cytoskeleton, and thin filaments are polymers of this protein. For 10 points, name this protein that make up sarcomeres along with myosin.

ANSWER: actin

7. One musician from this country formed the group Oito Batutas. Any of that musician’s compositions used this country’s “Choro” form. Pixinguinha was from this country, and in one film set here, the title character, played by Breno Mello, marries Mira but immediately falls in love with Eurydice. This country is the setting of *Orfeu Negro*, whose soundtrack was composed by Antonio (\*) Jobim, who also wrote the music to *The Girl from Ipanema*. Heitor Villa-Lobos composed a set of nine suites whose title includes the named of this country, and a genre developed here was pioneered by Joao Gilberto. For 10 points, name this South American country where Bossa Nova developed and where a lot of artwork is displayed in the Carnival of Rio de Janeiro.

ANSWER: Brazil

8. One god of this domain is accompanied by seven judges, seven messengers, and his bald uncle Myesyats. Another god of this domain counts among his enemies the immortal disembodied head Rahu. A god of this domain was assisted by the vizier Bunene, gave an axe called “Might of Heroes” and the bow of Anshan to Gilgamesh, and lived in a palace guarded by scorpion men. In another myth system, Dijun and Xihe were the parents of the three-legged birds responsible for this domain, (\*) nine of which were killed by the archer Hou Yi. A temple that is torn down and rebuilt every twenty years at Ise is sacred to another deity of this domain, who once hid in a cave after a flayed pony was thrown into her hall by her brother Susano’o. For 10 points, identify this celestial domain associated with Dazhbog, Surya, Shamash, Amaterasu, and the Norse demigoddess Sól.

ANSWER: the Sun [accept Sol or solar deities/gods/goddesses before “Sol” is read]

9. A relativistic form of this quantity can be expressed as the four-vector tangent of a world line. The divergence of this quantity is zero for an incompressible fluid. In an irrotational fluid, it can be expressed as the gradient of a fluid potential, since in that case the curl of this quantity, also called the vorticity, is zero. For a planet in orbit around the sun, the areal form of this quantity is constant. The force on a charged particle due to a magnetic field equals the charge of the particle times the (\*) cross product of this quantity and the magnetic field, according to the Lorentz force law. The kinetic energy equals one half times m times the magnitude of this quantity squared. For 10 points, name this vector quantity, the time derivative of position, which can be given as a speed and a direction.

ANSWER: velocity [accept fluid velocity, velocity field, etc]

10. An employee of this institution is probably responsible for the death of teacher and anti-racism activist Blair Peach. Its implementation of "Operation Kratos" resulted in the death of the Brazilian Jean Charles de Menezes. A precursor of this institution was named the "Bow Street Runners," which was founded by Henry Fielding, and Boris Johnson defended it after the death of Ian Tomlinson. Agents originally used rattles to signal assistance, but were soon issued (\*) whistles. Agents of this institution have a common nickname referencing its creation by Home Secretary Robert Peel. It failed to solve the Whitechapel murders committed by Jack the Ripper. For 10 points, name this law enforcement agency that operates in the largest city in England.

ANSWER: Metropolitan Police Service [or anything to indicate that this is London's police force, or MPS, or the Met, or Scotland Yard, or Old Bill, or the bobbies; accept constabulary instead of police, prompt on British/English police force or similar answers]

11. One minor character on this show, J-Roc, attempts to get the main characters to star in his "greasy" porn films. One character on this show rarely wears a shirt and sports extremely tight white pants that he removes every time he tries to fight. The main antagonist is fond of adding "shit" to common adages to form phrases like "a shit apple never falls far from the shit tree" on this show, whose fifth season revolves around a driveway paved with stolen hash. Mike Clattenberg created this show, which is set in Dartmouth, (\*) Nova Scotia and includes a fraudulent cripple who constantly refers to himself as "the guy in the chair" as well as the alcoholic supervisor of Sunnyvale, Jim Lahey. For 10 points, name this Canadian TV show that follows the exploits of Ricky, Julian, and Bubbles, all residents of mobile homes.

ANSWER: Trailer Park Boys

12. A carbon alpha to two carbons with this functionality is alkylated and then decarboxylated in a reaction named for the malonic type of these compounds. An ortho, para selective rearrangement that yields acyl phenols reacts one of these compounds with a Lewis acid. Compounds with a carbonyl functionality two carbons away from this functionality are synthesized from compounds that have two instances of this functionality in the (\*) Dieckmann condensation, which produces the "beta keto" variety of these. Alcohols are refluxed with carboxylic acids to synthesize these compounds. Triglycerides feature three of these compounds' functionality because fatty acids have been joined to a glycerol backbone. For 10 points, name these compounds produced in a reaction named for Fischer, which have an R-COOR structure.

ANSWER: esters

13. When this composer's stepdaughter asked Johannes Brahms to sign her autograph fan, Brahms wrote down the first bars of one of this man's compositions with the inscription "Alas! Not by Johannes Brahms." One of his characteristic pieces contains a lugubrious melody in the strings and brass answered by four staccato wind chords. One of this composer's typical pieces was originally titled "Hand in Hand" and meant as a toast to the friendship between Franz Josef and (\*) Wilhelm II. This composer wrote that contains a prominent part for zither and evokes the folk songs of the title forest region. He also wrote a dance evoking a Viennese river. For 10 points, name this man whose compositions *Kaiser-Walzer*, *Tales from the Vienna Woods*, and *The Blue Danube* earned him the nickname "The Waltz King."

ANSWER: Johann Strauss II [or Johann Baptist Strauss; or Johann Strauss, Jr.; or Johann Strauss the Younger; or Joseph Strauss the Son; correct answers require J. Strauss and something denoting "younger"; prompt on partial answer]

14. One of this author's poems curses "dullards" who "made themselves immune to pity" and to "whatever shares / the eternal reciprocity of tears". Another of his poems describes seeking the counsel of the "kind old sun" and asks "what made fatuous sunbeams toil / to break Earth's sleep at all?" A time when "each slow dusk" is "a drawing-down of blinds" is described in another poem by this author of "Insensibility" and (\*) "Futility". His best-known poem was written in response to Jessie Pope, a civilian propagandist, and describes an "ecstasy of fumbling" followed by the sight of a man "guttering, choking, drowning" due to a gas attack. This poet asked "What passing bells for those who die as cattle?" in "Anthem for Doomed Youth" For 10 points, name this British war poet who wrote about Horace's "Old Lie" in "Dulce et Decorum Est".

ANSWER: Wilfred Edward Salter Owen

15. During the Iowa caucus leading up to this election, Fred Harris said his fourth place finish led him to be "winnowed in." Near the end of the Democratic primaries for this election, the "ABC movement" failed to earn the nomination for either Frank Church or Jerry Brown. During this election, one candidate gave an interview with *Playboy* about (\*) "lusting in [his] heart" for women, while another candidate claimed in a debate that there was "no Soviet domination of Eastern Europe." The Republican candidate in this election replaced his incumbent vice president on the ticket with Bob Dole. The losing candidate was hurt by his pardon of Richard Nixon. For 10 points, name this presidential election in which Jimmy Carter defeated Gerald Ford, which was held in the U.S. bicentennial year.

ANSWER: Election of 1976

16. The cathedral spire in this painting's left background is easier to make out in the William Woollett engraving that popularized this work. A running man frantically waving his hat and carrying a flag bearing several fleurs-de-lis can also be seen on this painting's left side, which contains a green-coated man in a beaded headband, sash, and leather boots leaning over above a figure posed in the same manner as Rodin's *Thinker*. This painting initially met with controversy due to its artist's decision to depict the (\*) "modern garb of war". Among its central figural group are the aforementioned crouching Indian and two wounded officers, Simon Fraser and Robert Monckton, neither of whom were actually at the title 1759 event. For 10 points, identify this 1770 depiction of an event from the Battle of Quebec, a painting by Benjamin West.

ANSWER: *The Death of General Wolfe*

17. The third and fourth books of this work are presented as a dialogue between the title figure and the disciple. In its fourth book, this work's title figure instructs the follower to "clean the mansions of your heart" in order to receive the Blessed Sacrament. The Latin phrase "Sic transit gloria mundi," or "thus passes the glory of the world," likely derives from the third chapter of this work. This work, whose four books include "Directives for Interior Life" and "On Interior Consolation," was written in the (\*) 1400s by a member of the *Devotia Moderna* movement in the Netherlands. For 10 points, name this devotional by Thomas a Kempis that suggests emulating Jesus through contemplative study.

ANSWER: *The Imitation of Christ* [or *De Imitatione Christi*]

18. One character in this novel is a Francophile painter who sees, or hallucinates, a man slitting a baby's throat on a park bench. The sequel to this novel depicts Hazel receiving a fateful astrological reading from Fauna and is called *Sweet Thursday*. In one episode in this novel, the dog Darling eats most of a cake while a group of character are busy trading frogs for party supplies. The most respected character in this novel is based on the author's friend Ed Ricketts, who wrote *Between* (\*) *Pacific Tides*. Important locations in this novel include The Palace Flophouse, which is home to Mack and his boys, and the Bear Flag Restaurant, a brothel owned by Dora Flood. The grocer Lee Chong and the marine biologist Doc appear in, for 10 points, which novel set on a Monterey street lined with sardine fisheries, a work of John Steinbeck?

ANSWER: *Cannery Row*

19. Much information about this man comes from the writings of Antonio Pigafetta, who describes this man's slave and interpreter, Enrique. This man died shortly after making a blood compact with the recent Catholic convert Rajah Humabon. He acquired his slave while serving under Alfonso de Albuquerque in conquering Malacca, although he later served a different empire. The commander of the ship *Trinidad*, this man was killed after being hit with a (\*) bamboo spear while fighting Lapu-Lapu's warriors at the Battle of Mactan. This man named the Pacific Ocean the "peaceful sea," but was unable to return to Europe after being killed in the Philippines. For 10 points, name this Portuguese born explorer whose expedition completed the first circumnavigation of the Earth.

ANSWER: Ferdinand Magellan [or Fernao de Magalhaes]

20. A 1982 book that purports to be a "computational investigation" of this ability treats it as an information-processing system on computational, algorithmic, and physical levels. That book was authored by David Marr, who names a top prize in the computer field of this ability. Before moving onto investigating phantom limbs, V.S. Ramachandran investigated this ability, which yielded results in dynamic aftereffects. The ancient Greeks were split on whether this ability was governed by the "emission theory" or the "intromission theory." Hermann von (\*) Helmholtz was the father of the early modern science of this faculty, which is used to perceive the autokinetic effect and the phi phenomenon. For 10 points, name this faculty that depends on the perception of light.

ANSWER: vision [accept equivalents like seeing or sight]

21. This author wrote an essay about various aspects of Ur-Fascism which is subtitled "Fourteen Ways of Looking at a Blackshirt." This author's most recent novel fictionalizes the origin of the Protocols of the Elders of Zion. One novel by this author begins with the wrecking of the *Daphne*, after which Roberto della Griva begins to reminisce on his imaginary fake twin. In that work by this author of *The (\*) Prague Cemetery*, the protagonist imagines that he is constantly crossing the international date line. Belbo, Diotallevi and Casaubon decide to come up with a conspiracy theory in another novel by this author of *The Island of the Day Before* and *The Mysterious Flame of Queen Loana*. For 10 points, name this author of *Foucault's Pendulum*.

ANSWER: Umberto Eco

## Bonuses

1. Answer the following about invasions involving Caribbean islands, for 10 points each.

[10] This island was invaded in 1983 in Operation Urgent Fury after a pro-Communist government took control. The invasion was partly justified as part of a rescue of students at the True Blue Medical Facility.

ANSWER: Grenada

[10] The U.S. invasion of Grenada was more successful than the U.S.-supported Bay of Pigs invasion, which failed to topple Fidel Castro's government on this island.

ANSWER: Republic of Cuba

[10] Cuba sent forces to support Joshua Nkomo's army during the Rhodesian Bush War. This white politician was the Rhodesian Prime Minister from 1964 to 1979. His party lost the 1980 election to Robert Mugabe's party.

ANSWER: Ian Douglas Smith

2. Hybridization is not allowed in this theory, which uses a linear combination approximation called the LCAO. For 10 points each:

[10] Name this theory from quantum mechanics which allows electrons to delocalize to describe bonding, non-bonding and antibonding versions of its namesake structures.

ANSWER: molecular orbital theory [or MO theory]

[10] MO theory is an application of this theory, which is often used to solve the electronic Schrodinger equation. This theory predicts the ground state wavefunction of many body systems

ANSWER: Hartree Fock

[10] A more basic approach to electronic structure considers only localized electrons pairs and is named by this word. This word also names the outermost electron shell and the electrons that participate in covalent bonds.

ANSWER: valence

3. Identify the following about painting royalty, for 10 points each.

[10] Erasmus advised this man to travel to England, where he became the court painter to Henry VIII. Another work he painted while in England includes an anamorphic skull and a bunch of crap on some shelves, and is called *The Ambassadors*.

ANSWER: Hans Holbein the Younger [do not accept any other Holbeins, or for that matter any other wrong answers]

[10] This man's time as Principal Painter in Ordinary produced such paintings as *Charles I with M. de St. Antoine*, *Charles I in Hunting Dress*, and a triple portrait of Charles I, all of which depicted the king wearing this man's namesake pointed beard.

ANSWER: Anthony van Dyck

[10] Francisco Goya depicted himself painting a canvas in the background of this remarkably unflattering 1801 painting, in which his rather pudgy, medal-bedecked patron stands proudly in the middle.

ANSWER: Charles IV of Spain and his Family [or *La Familia de Carlos IV*]

4. Rosaura is revealed to be Clotaldo's daughter in this play. For 10 points each:

[10] Name this play in which the King of Poland locks his son Seigismundo in a tower, and attempts to convince him that he was not awake during the few moments of freedom he receives.

ANSWER: Life is a Dream [or *La vida es sueño*]

[10] This Golden Age Spanish dramatist of *The Mayor of Zalamea* wrote *Life is a Dream*.

ANSWER: Pedro Calderón de la Barca [y Barreda González de Henao Ruiz de Blasco y Riaño; prompt on de la Barca]

[10] This Golden Age dramatist created Don Juan in his play *The Trickster of Seville and the Stone Guest*.

ANSWER: Tirso de Molina [accept either; or Gabriel Téllez]

5. This thinker wrote his last book, *Ill Fares the Land*, while suffering from late-stage ALS. For 10 points



each:

[10] Name this British historian and NYU professor who wrote *Postwar: A History of Europe Since 1945*.

ANSWER: Tony [Robert] **Judt**

[10] Judt wrote a book on Marxism and this country's left, whose prominent intellectual figures included Jean-Paul Sartre and Michel Foucault.

ANSWER: **France** [or **French** Republic; or République **française**]

[10] Judt wrote a *New York Times* op-ed response to the mid-2000s publication of Stephen Walt and John Mearsheimer's piece about the role of this country's lobby "and U.S. foreign policy."

ANSWER: State of **Israel** [or Medinat **Yisrael**; or Dawlat **Israil**]

6. This son of Auge was suckled by a deer as a child and later married Argiope, the daughter of King Teuthras, from whom he inherited the kingdom of Mysia. For 10 points each:

[10] Identify this man who killed king Thersander of Thebes while delaying the Achaeans on their way to Troy. He was severely wounded by Achilles, who later cured him with shavings from the spear responsible for the wound.

ANSWER: **Telephus**

[10] Telephus's father was this legendary hero who married Hebe after becoming a full immortal. Before that, though, he completed twelve labors for Eurystheus to atone for accidentally killing his children.

ANSWER: **Heracles** [or **Hercules**; or **Alcaeus**; or **Alcides**]

[10] Like Telephus, this hero of the Trojan War suffered a hard-to-heal wound, in his case a gross festering snakebite for which he was left on Lemnos. Odysseus and Diomedes later recover this archer, whereupon he shoots and kills Paris.

ANSWER: **Philoctetes** [or **Philocthetes**]

7. G. Blakemore Evans edited the *Riverside* edition of the collected works of this man, whose life was analyzed using the "verbal traces" found in his works in the biography *Will in the World*. For 10 points each:

[10] Identify this Elizabethan playwright, editions of whose works are also produced by the Folger Library. Stephen Greenblatt coined the term "new historicism" in an essay that analyzed his play *Richard II*.

ANSWER: William **Shakespeare**

[10] This Yale-based critic analyzed all of Shakespeare's plays in his 1998 survey *Shakespeare: The Invention of the Human*. This man's other works include *The Anxiety of Influence* and *The Western Canon*.

ANSWER: Harold **Bloom**

[10] This other American critic wrote *The Stranger in Shakespeare* and contributed to *The Riddle of Shakespeare's Sonnets*, but is doubtless more famous for his 1960 opus *Love and Death in the American Novel*.

ANSWER: Leslie Aaron **Fiedler**

8. Answer the following about the Lagrangian formulation of classical mechanics, for ten points each.

[10] The Lagrangian formalism is equivalent to this man's laws of motion, the second of which states that force equals mass times acceleration.

ANSWER: Isaac **Newton**

[10] One advantage of the Lagrangian formalism is that the Lagrangian is a function of time, these quantities, and their time derivatives, which are generalized velocities.

ANSWER: **generalized coordinates**

[10] The solutions to this equation from of the calculus of variations are the functions such that a given functional is stationary. In Lagrangian mechanics, solving this equation when the functional is action yields Newton's laws.

ANSWER: **Euler-Lagrange** equation

9. This society bathed children in wine to see if they survived; if they didn't, they were generally killed to preserve a strong population. For 10 points each:

[10] Name this Greek city-state which was big on military training. It employed a large population of state-owned serfs called helots.

ANSWER: **Sparta** [or **Lacedaemon**]

[10] This possibly mythical figure is considered Sparta's lawgiver. He disappeared after being told that by the Oracle of Delphi that his laws were awesome.

ANSWER: **Lycurgus**

[10] Sparta suffered a major loss at the Battle of Leuctra to Thebes. This Theban general led the allied Boeotian army to victory over the Spartans. He was later killed at the Battle of Mantinea.

ANSWER: **Epaminondas**

10. This choir's 2012 Christmas Concert featured Tom Brokaw reading the Gospel of Luke. For 10 points each:

[10] Name this gigantic choir that was founded in 1848 at the Latter-Day Saints temple in Salt Lake City.

ANSWER: the **Mormon Tabernacle** Choir [or **MoTab**]

[10] All members of the Mormon Tabernacle Choir must be Mormons in good standings, which means all adult male singers have been granted the Melchizedek or Aaronic classes of this title. This religious position entitles men to act in the name of God to ensure their family's salvation.

ANSWER: **priesthood**

[10] Married members of the choir may have entered into this special type of marriage covenant that seals a man and woman together for eternity. Before undergoing this kind of marriage, one must get a recommendation from their temple and undergo an Endowment ceremony.

ANSWER: **celestial** marriage [or **eternal** marriage; or **new and everlasting covenant** of marriage; or the **ceremony**]

11. Algorithms for this common task include one developed by Tony Hoare which randomly selects a pivot against which to make comparisons. For 10 points:

[10] Name this task, for which the best known algorithms are *Quickthis* and *Mergethis*, and the very slow *Bubblethis*. It is the task of putting elements of a list in particular order.

ANSWER: **sorting**

[10] Selection sort is sometimes described as an example of this algorithm design paradigm in which the locally optimal choice is selected at each step. Dijkstra's algorithm is another example of class of algorithms for shortest path.

ANSWER: **greedy** algorithm

[10] Another greedy algorithm is this encoding scheme named for this man which generates his namesake trees based on the frequency of characters and then encodes the most common characters with the shortest strings.

ANSWER: David **Huffman** [accept **Huffman** codes; or **Huffman** trees; or **Huffman's** algorithm]

12. This author's poems include "There is No Room in Rome for a Roman" and "The Emperor's Fish." For 10 points each:

[10] Name this Roman poet who wrote 16 *Satires*.

ANSWER: **Juvenal** [or Decimus Iunius **Iuvenalis**]

[10] Juvenal's Tenth Satire is the source of this three-word phrase that signifies the trivial cares of the Roman populace.

ANSWER: **bread and circuses** [or **bread and games**; or **panem et circenses**]

[10] Juvenal's Sixth Satire originated a question pondering who will guard or watch these people.

ANSWER: the **guards** themselves [or the **watchmen**; or Quis custodiet ipsos **custodes?**; or **Who will guard the guards?**; or **Who will watch the Watchmen?**]

13. This complex includes a 14-story "research tower" with a single reinforced concrete core that its architect likened to a "tap root." For 10 points each:



[10] Name this building in Racine, Wisconsin, whose exterior is made of curved red brick, noted for its Great Workroom, which features narrow columns that expand into so-called "lily pads" at their tops.

ANSWER: [S.C.] **Johnson Wax** Headquarters/Building/Administration Building

[10] This American architect of Fallingwater and the Guggenheim Museum in New York designed the Johnson Wax Headquarters.

ANSWER: Frank Lloyd **Wright**

[10] Wright's Johnson Wax Headquarters was designed in the middle of a period in which he designed many single-story, proto-ranch-style houses described by this adjective, which Wright used to describe an idealized America.

ANSWER: **Usonian** [accept **Usonia**]

14. This man declared that mothers of at least ten children were "heroine mothers." For 10 points each:

[10] Name this Communist leader executed along with his wife Elena on Christmas Day, 1989. He replaced Gheorghe Gheorghiu-Dej as General Secretary of his country's Communist Party in 1965.

ANSWER: Nicolae **Ceausescu**

[10] Ceausescu led this European country, which was led during World War II by Ion Antonescu.

ANSWER: **Romania**

[10] This Romanian king, the second with his royal name, abdicated the throne in September 1940 after being outmaneuvered by the Iron Guard and Antonescu. He was succeeded by his son, Michael, whom he never talked to again afterwards.

ANSWER: **Carol** II

15. This author of the treatise "The Art of Harpsichord Playing" wrote four sets of *Royal Concerts* and the four-movement suite *The Nations*. For 10 points each:

[10] Name this Baroque French composer nicknamed "le Grande" or "the Great."

ANSWER: Francois **Couperin**

[10] This twentieth-century French composer, who wrote *The Tomb of Couperin* to commemorate World War I, also wrote *Bolero*.

ANSWER: Maurice **Ravel** [or Joseph Maurice **Ravel**]

[10] Inspired by Gabriel Fauré's Opus 50, Ravel wrote this piece for piano in 1900, which he later orchestrated ten years later. This work is in the form of a slow Spanish court dance and is dedicated to an unspecified young royal.

ANSWER: "**Pavane for a Dead Princess**" [or "**Pavane pour une infante defunte**"]

16. Two wineries from this state, Stag's Leap and Chateau Montelena, shocked the wine world by winning blind taste tests against French wines in the 1976 "Judgement of Paris". For 10 points each:

[10] Identify this western U.S. state, also home to the Robert Mondavi and Ernest & Julio Gallo wineries, as well as the major wine-growing regions of Sonoma County and Napa Valley.

ANSWER: **California**

[10] California is also the home of noted "extreme value" winery Charles Shaw, which is sold exclusively at this Aldi-owned specialty grocery store, known for its South Seas motif and for selling lots of things under its own label.

ANSWER: **Trader Joe's**

[10] The McKeon-Phillips Winery is among those in California who produce wine from this rather fragile red grape varietal. Originating in Cahors in southwestern France, it now dominates Argentina's wine industry.

ANSWER: **Malbec** [or **Auxerrois**; or **Côt Noir**; or **Pressac**]

17. This man's most recent book is *On What Matters*, which proposes a Triple Theory of ethics. For 10 points each:

[10] Name this British philosopher who claimed that utilitarianism leads to a "repugnant conclusion" in *Reasons and Persons*.

ANSWER: Derek **Parfit**

[10] Parfit's theory of identity is an expansion of this philosopher's "bundle theory", which claims that

humans are no more than a collection of traits. This philosopher also formulated the “is/ought problem”.

ANSWER: David **Hume**

[10] In *On What Matters*, Parfit attempts to synthesize the ethical approaches of Kant, consequentialists, and social contractarians like this man. This man introduced the “veil of ignorance” thought experiment in *A Theory of Justice*.

ANSWER: John **Rawls**

18. The TAIR database houses information about this organism, and in the aptly named “flower dip” technique, flowers of this organism are dipped into a culture of *Agrobacterium*. For 10 points each:

[10] Name this model plant organism.

ANSWER: ***Arabidopsis thaliana*** [accept ***A. thaliana***]

[10] Another model is this animal, whose Latin name is *Drosophila melanogaster*. Its use as a model was encouraged by T. H. Morgan, and it has phenotypes such as “dumpy,” which have stunted wing growth.

ANSWER: **fruit flies** [prompt on **flies**]

[10] Studies of microbial mobility are often conducted on this model algal genus, whose members possess an “eye spot.” Important species in this genus include *reinhardtii*.

ANSWER: ***Chlamydomonas***

19. This man’s only extant poem, a nine-line verse which opens “Now let me praise the creator of Heaven’s kingdom”, is known as his namesake “Hymn”. For 10 points each:

[10] Identify this illiterate cowherd who, while living at Whitby Abbey under St. Hilda, supposedly learned the art of song in a dream.

ANSWER: **Caedmon**

[10] “Caedmon’s Hymn” is one of the few extant works attributed to an author in this language, which was also used by Cynewulf and Alfred the Great. Changes in this language after the Norman Conquest led to its disappearance by the 12th century.

ANSWER: **Old English** [or **Anglo-Saxon**; prompt on “English”; do not accept any other type of English]

[10] The story of Caedmon was related in this “Venerable” monk’s *Ecclesiastical History of the English People*.

ANSWER: the Venerable **Bede** [or Saint **Bede** the Venerable]

20. While watching this battle, one general noted “It is well that war is so terrible, or we should grow too fond of it.” For 10 points each:

[10] Name this December 1862 battle in which Ambrose Burnside’s forces were routed. Much of the casualties occurred during the failed attack at Marye’s Heights.

ANSWER: Battle of **Fredericksburg**

[10] This Confederate general fought at Fredericksburg and would later be killed by friendly fire at Chancellorsville. He earned his famous nickname by standing his ground at the First Battle of Bull Run.

ANSWER: Thomas Jonathan “Stonewall” **Jackson**

[10] This other Confederate general at Fredericksburg was sent to attack the North during the Valley Campaigns of 1864, which included a daring raid on Washington. After the war, his articles for the Southern Historical Society pushed the concept of the Southern Lost Cause.

ANSWER: Jubal Anderson **Early**

21. This dude is depicted as a lazy fat guy in the cartoon “A Voluptuary Under the Horrors of Digestion.” For 10 points each:

[10] Name this British monarch acrimoniously married to Caroline of Brunswick. As the Prince of Wales, he served as regent while his father suffered from an unknown mental disorder.

ANSWER: **George IV** [or **George Augustus Frederick**]

[10] As Prince Regent, George IV signed the Treaty of Ghent ending what war with the still-relatively-young United States of America?

ANSWER: War of **1812**

[10] This buddy of George IV was considered the original “dandy” because he reportedly took five hours a day to dress. He made the modern suit fashionable and frequently appeared in popular culture of the period.

ANSWER: George Bryan “Beau” **Brummel**