

Minnesota Open V

Packet by the editors (7): Auroi Gupta, Andrew Hart, Gaurav Kandlikar, and Cody Voight
Finals Packet 1

Tossups

- This god granted the infertile King Harishchandra a son and demanded human sacrifice in return. In one story, Bhrigu is presided over as chief priest by this deity, who hands Arjuna the bow Gandiva after using it for one hundred years only to have it thrown back at him after the Kurukshetra War's conclusion. One story says that swans transformed from being black and white to just being white as a result of a blessing by this god, who assumes the guise of a swan to escape from Ravana. This god, in return for assistance in fighting demons that were tormenting him, assists Rama's plan to build a bridge to Lanka after being rudely summoned by the hero attacking his (*) domain with arrows and other weapons. This god is credited with upholding *rita*, or the principle of natural order, in the Vedas, which regard him as the only good *asura*. This rider of Makara is often syncretized with Mitra. For 10 points, name this Hindu god who rules the celestial ocean.**
ANSWER: Varuna [or Baruna; or Waruna; accept Mitra until mentioned, I guess]
- One character in this novel calms the survivors of an accident by reciting majestically from the evening psalter from Day 27 of the Anglican Order. This novel is primarily set in a house whose windows have been shattered three times by bombs, one of which reportedly lay unexploded in its garden. One character in this novel leads classmates in elocution lessons by reciting stanzas from "The Wreck of the Deutschland." Another, nicknamed Fat Jane, is the only one who cannot fit into the Schiaparelli dress shared by all of this novel's title characters as a good luck charm. At the beginning of this novel, we hear about the death in Haiti of an anarchist turned Jesuit priest named Nicholas Farrington, who was involved with Selina, one of the title under-thirty residents of the (*) May of Teck club. For 10 points, name this novel about the inhabitants of an all-girl dormitory, written by Muriel Spark.**
ANSWER: *The Girls of Slender Means*
- ZWPF is a form of this material that eliminates the 1380-nanometer attenuation peak caused by contamination with hydroxyl ions. One quantity that characterizes this material has an important condition at 2.405. A preform is used in the production of this material that fabricated using outside vapor deposition, which combusts silicon tetrachloride and germanium tetrachloride. This material can be doped with (*) erbium. This material is usually immediately coated with a polymer, such as urethane acrylate, so that it does not develop microcracks after it is drawn. In the simplest case, this material consists of two layers, one the core, with a higher refractive index than the other, the cladding. For 10 points, name this material, usually made of glass, that traps and guides light.**
ANSWER: optical waveguide fibers [prompt on optical waveguides; accept fiber optic cables; or fiber optics]
- This person *politically* supported Francis, Duke of Anjou as a would-be hereditary ruler and *physically* supported Charles V during that man's abdication by literally offering a shoulder for Charles to lean on while abdicating. This person became involved in a conflict following Margaret of Parma's grant of toleration after a wave of anti-Catholic iconoclasm known as the "Beeldenstorm" resulted in the formation of a tribunal. This leader's main antagonist dubbed this person a "pest on the whole of Christianity" and offered a massive bounty on this person's head, which led to the (*) first assassination of a head of state with a firearm. This person opposed the founder of the Council of Blood, the Duke of Alba, who served as the governor of the United Provinces under this person's enemy, Philip II. For 10 points, Balthasar Gerard killed what Prince of Orange who led the Dutch revolt that began the Eighty Years' War?
ANSWER: William the Silent [or William I; or Willem de Zwijger; prompt on William of Orange; prompt on William or Willem]**
- This person once called several employees "a bunch of killjoy cocksuckers" after destroying a "rigged" Whac-a-Mole machine. In an appearance in a slightly ripped Lynyrd Skynyrd t-shirt, this person claimed that life was better now than in 2008, but "nothing can touch the summer of '87." This person's advisers once suggested that he forget the words "pink" and "stink" altogether, and he is banned for life from all fifty-five (*) Dave and Buster's locations. This person, who live-tweeted an event under a handle that prefaced his name with "Diamond," implored his boss to "rub one out," so as not to have "pussy on the mind out there" during a debate. He called dibs on Qadhafi's clothes and hitchhiked to the DNC. For 10 points, name this satirical character from the pages of *The Onion* who moonlights as the Vice President of the U.S.**
ANSWER: Joe Biden [or Joseph Robinette Biden Jr.; accept anything mentioning *The Onion* and Joe Biden]

6. **This god’s companion is holding a parasol in one of Jean Ranc’s few mythological paintings. Pieter Gijssels’ depiction of this figure shows him conversing with a woman clad in yellow who is sitting beside several peacocks. Boucher made several paintings of this god, one of which shows a pair of manly hands attached to an otherwise beautiful female body. This god is shown wearing a yellow jacket and holding a basket in a depiction of him as an old man looking toward his love interest, who is shyly holding a sickle, in a Jacopo Pontormo work that was painted into a lunette. This god is represented by (*) Rudolf II, whose cheeks are made up of a pair of apples, in painting by Giuseppe Arcimboldo. For 10 points, name this god of seasons and ripening fruits who is generally depicted in the form of an old man trying to talk to Pomona.**
ANSWER: Vertumnus [or Vortumnus; or Vertimnus]
7. **This thinker noted that a violet color that is “soft and lovely” to one person may be “dull and faded” to another in a discussion of the “form of finality” that marks objects as beautiful. Two of this thinker’s aesthetic concepts are related to the Aristotelian “sensus communis,” the community of taste. This thinker claimed that appearances have both a matter and a form, the latter of which does not exist independent of the mind. Lyotard wrote “Lessons” on the section “The (*) Analytic of the Sublime” from one of the aesthetic works of this man, who formulated the “transcendental aesthetic” in another work. This person divided subjective experience into the categories of the agreeable, the beautiful, the good, and the sublime. For 10 points, name this author of the *Critique of Judgment* and the *Critique of Pure Reason*.**
ANSWER: Immanuel Kant
8. **The magnitude of these phenomena is estimated using the Dvorak technique. They can cause friction interactions between grains of sand, leading to electrostatic discharge in the “firefly effect.” The Fujiwhara effect arises from the interaction of two of these phenomena, whose direction of movement is preceded by a “dangerous semicircle.” Jacob Bjerknes created their Norwegian model, in which they originate as waves associated with sloping weather fronts that separate different (*) air masses. They can develop in the left exit region of a jet streak, where the strongest upper-level divergence is located. Their max intensity is reached at occlusion, after which they decay. The “explosive” form of their creation process starts from a bomb, a pressure center that deepens by 24 millibar in 24 hours. They can be subject to the stadium effect, in which their center of calm weather appears to open outward. For 10 points, name these storm patterns rotating around an area of low-pressure called an eye.**
ANSWER: tropical cyclones [reverse-prompt on: tropical storms, tropical depressions, hurricanes, typhoons, baguio, willy-willy; prompt on low-pressure areas; do not accept any answer containing “anticyclone”]
9. **In 2001, a “village” inhabited primarily by members of this ethnicity, many of them raisin and melon peddlers, was demolished, displacing hundreds. One person with this ethnicity founded the 1,000 Mothers charity and is popularly known as the “millionairess” despite her humble start as a small laundromat owner. The Ili Rebellion attempted to militarily unite these people. These people gained some political recognition during an uprising led by the outsider Yakub Beg, who gained popularity for his massacres of the rival (*) Dungan people, who share the same religion as this ethnic group. Turfan and Kashgar are some of the cities inhabited by these people, who rioted en masse in July 2009, an event that the media blamed on Rebiya Kadeer. For 10 points, name these residents of Urumqi, a predominantly Muslim ethnic group from the northwestern Xinjiang province that the Han Chinese often discriminate against.**
ANSWER: Uyghurs [or Weiwuer; prompt on Chinese Muslims]
10. **This city’s firm of Holt, Price, and Barnes designed its art-deco landmark, a 1931 skyscraper topped with an iconic lantern that lights up at night. The largest arena in this city has an all-glass facade and is shaped like a bulging disk. Moshe Safdie designed the symmetrical half-shells of concentric vertical arches that make up this city’s brand new Kauffman Center for the Performing Arts. Steven Holl designed the five white, light-emitting “lenses” that make up the Bloch addition to this city’s Nelson-Atkins Museum. This home of the Sprint Center and the (*) Power and Light Building contains a torch-like tower designed by Harold Van Buren Magonigle, the Liberty Memorial, which contains the National World War I Museum. For 10 points, name this home of Frank Lloyd Wright’s Community Christian Church, the H&R Block World Headquarters, the IRS headquarters, and Arrowhead Stadium.**
ANSWER: Kansas City, Missouri
11. **In an initiation into a “cult” named for these objects, Koyemsi shriek at the blood produced when children are whipped. Barton Wright classifies the production of these objects into Early Traditional, Late Traditional, Early Action, and Late Action periods. Several of them are presented to brides in the midsummer Niman ceremony. One category of these objects gets increasingly more three-dimensional in four successive stages as they are awarded to infants, toddlers, slightly older toddlers, and finally boys and girls who are two years old; those objects are typically hung from rafters of (*) homes. The *wuya* and the *tithu* are specialized kinds of these objects. Murals in *kiva* rooms depicted the likenesses of these objects, which are imitated by namesake masked dancers. They represent spirits or features from the natural world. For 10 points, name these spiritually significant dolls in Hopi religion.**
ANSWER: kachina dolls [accept wuya and tithu before their mentions; prompt on dolls before read]

12. **One character in this poem fantasizes about “the fitful tracing of a portal” and searches “the touch of springs,” sighing after finding only “concealed imaginings.” One group in this poem whispers a refrain that “was like a willow swept by rain.” Its fourth section observes that “the body dies; the body’s beauty lives, so evenings die in their green going...so gardens die, their meek breath scenting...so maidens die, to the auroral.” In this poem, several “simpering Byzantines” arrive and flee “with a noise like (*) tambourines.” Its speaker opines that “desiring you, thinking of your blue-shadowed silk, Is music,” like how the “thin blood” of the elders “pulse pizzicati” as they lust after Susanna. Its speaker observes that “the self-same sounds / On my spirit make a music,” “just as my fingers on these keys.” For 10 points, name this Wallace Stevens poem narrated by one of the performers of *Pyramus and Thisbe in A Midsummer Night’s Dream*.
ANSWER: Peter Quince at the Clavier**
13. **Under this system, the C.C.C occurs when the tangent of the primary maximum of the potential energy diagram is zero. The predictions of Schulze-Hardy rules are very similar to those made by this theory, which is only applicable to systems in which the advancing contact angles lie between 15 and 64 degrees. This theory can be modified by considering the impact of oscillatory forces or hydration forces in its (*) “extended” form. It fails when describing systems with highly hydrophilic or hydrophobic particles. The maximum value for a repulsion force considered in this theory is related to the surface potential and zeta potential of the system this theory models. For 10 points, name this theory that uses electrostatic repulsions and Van der Waals attractions to explain differential stability of colloids and is named for its four developers.
ANSWER: DLVO theory [or Derjaguin Landau Verwey Overbee Theory]**
14. **One primary source for an event that occurred in this place is a letter that encourages those left to “stand manfully, fight bravely, defend the camp of god” addressed to this place’s bishop, Higbald. In the *Anglo-Saxon Chronicle*, an event on this place is given as occurring on the “sixth day before the Ides of January,” though some modern scholars believe that “January” was mistakenly written instead of “June.” Alcuin of York discussed an event at this place in a letter to Ethelred that claims “never before has such terror appeared in Britain.” An attack on this place scattered (*) monks, destroyed the cover of a namesake illuminated gospel book, and forced the relocation of the bones of Saint Cuthbert. For 10 points, name this island off the coast of Northumbria, home to a monastery that, in 793 CE, was pillaged in the first major Viking raid in Britain.
ANSWER: Lindisfarne**
15. **One author from this country, the subject of Sontag’s essay “The Artist as Exemplary Sufferer,” wrote about the homecoming of a California businessman named Eel in *The Moon and the Bonfires* and killed himself in a hotel room in 1950. One play from this country, in which rebel soldiers attempting to overthrow Queen Elisabetta interrogate the passengers of a lorry, was penned by a jurist who wrote plays on the side. The image of fragrant lemon trees recurs in a poetry collection inspired by this country’s (*) seaside. This country, which spawned the author of *The Queen and the Rebels*, is the home of a poet who delivered the lecture “The Poet and the Politician” and wrote the collections *Day After Day* and *The Sunken Oboe*. This country is the home of the poet who wrote *Occasions* and *Cuttlefish Bones* and championed the Hermeticist movement. For 10 points, name this home country of Cesare Pavese, Ugo Betti, Salvatore Quasimodo, and Eugenio Montale.
ANSWER: Italy [or Italian Republic; or Repubblica Italiana]**
16. **Two horns play the theme E-E-F-G-E-E in the 6/8 andante moderato second movement of this symphony. Eduard Hanslick, who was a page-turner for the performance of a two-piano arrangement of this symphony, wrote that performing its first movement felt like “being given a beating by two incredibly intelligent people.” The allegro giocoso third movement of this symphony, which marked its composer’s one use of the triangle, proved to be so popular that there was no pause between it and the following movement in its composer’s lifetime in order to preempt the standing ovations. The last movement of this symphony, which was composed on a summer vacation in Murzzuschlag, assimilates themes from Beethoven’s *Diabelli Variations* and the final movement of Bach’s (*) cantata *Nach dir, Herr, verlanget mich*, and marked the first major use of a symphonic passacaglia or chaconne theme. For 10 points, name this last symphony by Brahms.
ANSWER: Brahms’s *Symphony No. 4 in E minor* [or Brahms’s fourth symphony; just 4 or fourth is fine after the giveaway is read]**
17. **The variation of these structures is generally reported using Slatkin’s Rst method. The “instability” caused by these structures has been shown to be the genetic basis for many cases of Lynch syndrome and other colorectal cancers. A simple model of these structures assumes that they change in a “stepwise” fashion. The fact that DNA polymerases often experiences “slippage” in low complexity regions leads to the high rates of mutations and subsequent (*) polymorphism in these structures. A subset of these structures based on trinucleotides has been implicated in Huntington’s disease. For 10 points, name these structures that are characterized by the presence of many repeats of two to six base pairs, which are examples of variable number tandem repeats and are often used to conduct DNA fingerprinting.
ANSWER: microsatellites [or microsats; or single satellite repeats; or SSRs; or short tandem repeats; or STRs; accept variable number tandem repeats or VNTRs until mentioned]**

18. **Three actors who performed in this play serve as ghost characters in it, standing in a line in order to receive imaginary pay-packets. In the opening monologue of this play, one character nervously scans for eavesdroppers before giving his opinion about Chinese Communist influence and is interrupted before telling the audience a story from his time as a Ford Motor Company employee. The main character in this play moves from King William’s Town to Port Elizabeth, but is given three days to leave after failing to find a (*) job, so he hides at the house of his friend Buntu. In order to take a photo for a passbook, its main character appears at Styles’s studio pretending to be Robert Zwelinzima, the identity of a man he had found in an alleyway. Like *The Island*, this play was co-produced with John Kani and Winston Ntshona. For 10 points, name this play about identity theft necessitated by apartheid, written by Athol Fugard.**
ANSWER: *Sizwe Banzi is Dead*
19. **This person claimed that if his most noted endeavor was not successful, he would “throw the whole of what I have attempted over the bridge.” This former employee of Jedediah Strutt and Richard Arkwright entered into a partnership with William Almy and Moses Brown. This person’s scheme of management was modeled on British villages, depended on woman and child workers, and was dubbed the (*) “Rhode Island system” for his state of residence. This person ushered in a period of industrialization that peaked with the Waltham-Lowell system. For 10 points, name this “Father of the American Industrial Revolution” who smuggled British textile technology to the U.S. in his brain.**
ANSWER: Samuel Slater
20. **This work discusses a manacled man leaning up against a wall named Lewis Payne with the remark “He is dead and he is going to die.” This work’s author derided its central discipline as an “anti-intellectual weapon” in an earlier essay about “Electoral Appeal.” This work claims that the best practitioners of its central discipline “look away or close [their] eyes.” This work develops twin concepts, one of which signifies its central discipline’s effect of reminding one of the past, the other pointing to the wounding details that draw the viewer in. This work, which was written as a contemplation of the death of the author’s mother Henriette, introduced the concepts of the (*) *studium* and the *punctum* to describe the effect of works in a certain art medium on those who view them. For 10 points, name this work about the effect of photographs on their viewers by Roland Barthes.**
ANSWER: *Camera Lucida* [or *Le Chambre claire*]
21. **This work’s tenth chapter, which discusses religion, concludes with the entreaty “Dum vivimus, vivamus,” or “let us live while we live,” which its author writes to urge an Awakening that will sweep ten million from the “Valley of Death” where liberty, justice, and right are portioned for others only. One metaphor in this work is a feature that defines the title people as “a sort of seventh son” who have no sense of self but have a “second sight” into the culture in which they reside. Another concept in this work is the “sense of always looking at one’s self through the eyes of others” that causes a feeling of (*) “two-ness.” This work, which contains the chapter “Of the Faith of the Fathers” and claims that the title people live behind a veil, introduces the idea of double-consciousness. 10 points, name this book of essays and sketches on race by W.E.B. Du Bois.**
ANSWER: *The* *Souls of Black Folk*

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Bonuses

1. Name some scientific reasons why I chose the Galaxy S III over the iPhone 5, for 10 points each.

[10] My decision to buy the Galaxy was not optimal; instead, I was boundedly rational and attempted to meet an acceptability threshold by using this decision-making strategy whose name Herbert Simon coined.

ANSWER: **satisficing** [accept word forms]

[10] The Galaxy was available in the store but I would have had to wait a week to have an iPhone shipped to me. By choosing the Galaxy, I was much like the greedy kids that Walter Mischel observed in a 1972 Stanford-conducted experiment who couldn't resist taking one of these items right now instead of waiting fifteen minutes for two.

ANSWER: **marshmallows**

[10] I was very hungry when I went into the Verizon store; this likely affected my mood and thus my decision via this heuristic, in which decision makers allow their snap emotions to control their choices.

ANSWER: the **affect** heuristic
2. The speaker of this poem wishes not to be disturbed by things like "house-fyres," "mischievous witches," "hob Goblins," "damned ghosts," or "griesly vultures" during the first night of lovemaking with his new bride. For 10 points each:

[10] Name this poem that was published along with the sonnet sequence *Amoretti*. It is named for a genre of works written for brides on the way to the marital chamber.

ANSWER: ***Epithalamion***

[10] *Epithalamion* and *Amoretti* were written by this English author of the *Faerie Queene*.

ANSWER: Edmund **Spenser**

[10] In Sonnet 75 from the *Amoretti*, the speaker twice performs this title action, only to have the waves wash away the result, before the speaker tells his lover to "let baser things devise / To die in dust, but you shall live by fame."

ANSWER: **writing his beloved's name** in the sand of a beach [or "One day I **wrote her name** upon the strand"; accept any answer indicating **name writing**]
3. This woman wore a signature Greek tunic while performing. For 10 points each:

[10] Name this dancer who eschewed rigid ballet technique for a free-flowing style, earning both praise and scorn during a career that ended when her scarf met the spokes of an automobile wheel.

ANSWER: [Angela] Isadora **Duncan**

[10] Isadora Duncan got her start touring Europe thanks to this American-born pioneer of modern dance and theater lighting, whose *Serpentine Dance*, as captured by the Lumière brothers, exemplified her groundbreaking productions at the Folies Bergère.

ANSWER: Loie **Fuller**

[10] Isadora Duncan is the subject of over 5,000 drawings by Abraham Walkowitz, a member of this artist's namesake "Quartet" along with Arthur Dove, Marsden Hartley, and John Marin. This artist started the magazine *Camera Work*.

ANSWER: Alfred **Stieglitz**
4. Scarily enough, any bum can purchase the dendrotoxins produced by these snakes from the Sigma catalogue. For 10 points each:

[10] Give the common name for these snakes. The black-mouthed variant of these snakes is the world's fastest snake and Africa's longest venomous snake. These snakes also come in a green variant that is just as dangerous.

ANSWER: **mambas** [accept black or green **mambas**; accept ***Dendroaspis*** though the common name is asked for]

[10] Another group of deadly snakes is this genus in the family *Elapidae*, which produces the bungarotoxins that block the binding of acetylcholine to nicotinic receptors. The longest of these snakes is named for its yellow and black striped body.

ANSWER: **kraits** [prompt on ***Bungarus***]

[10] Many American vipers have evolved to have this structure at the end of their body, which they use to indicate their venomousness to potential predators. Examples of snakes with this structure include the Diamondback ones.

ANSWER: **rattles**

5. Hippocrates, who suffered from this condition, suggested that a mixture of opium, horseradish, pigeon shit, beetroot, and spices could cure it. For 10 points each:
 [10] Name this condition that, despite his nickname, the king who swore the Oath of Strasbourg with his brother Louis the German probably did not suffer from.
 ANSWER: **baldness** [accept any clear equivalent like **hair loss**; accept Charles the **Bald** or le **Chauve**]
 [10] Owen the Bald was a ruler of this Celtic kingdom of southern Scotland and northern England that had its capital at Dumbarton Rock.
 ANSWER: **Strathclyde** [or **Srath Chluaidh**; or **Strath of the Clyde**; or **Alt Clut**]
 [10] Boleslaw II Rogatka, known as “the bald,” was a duke of this Polish metropolis that was made a Free City at the Congress of Vienna.
 ANSWER: **Krakow** [or **Cracow**]
6. The archetypal instance of this generic figure is the title character of Georg Buchner’s *Lenz*. For 10 points each:
 [10] Name this figure, a “better model than a neurotic on the analyst’s couch,” for whom the world is a series of machines, who is “out for a walk” in the first volume of a Deleuze and Guattari text.
 ANSWER: the **schizophrenic** [or **schizophrene**]
 [10] The first volume of Deleuze and Guattari’s *Capitalism and Schizophrenia* is a critique of this Freudian complex in which a son loves his mother and resents his father.
 ANSWER: the **Oedipus** complex [accept **Anti-Oedipus**]
 [10] A chapter in *Anti-Oedipus* is titled for this concept, which is compared to an egg and signifies the potential or virtual dimension of a physical entity. It exists at a level of possibility below the physical entity.
 ANSWER: **body without organs** [or **BwO**]
7. It was in this region where the river god Alphaeus chased Artemis, forcing her to cover her face and the faces of all of her nymphs with white mud to throw off his pursuit. For 10 points each:
 [10] Name this district, also the site of the first Olympic festival, ruled by Salmoneus, Pelops, and Endymion, along with a king with some notoriously filthy stables.
 ANSWER: **Elis**
 [10] The filthy stables belonged to this Elean king. In order to clean them, Heracles had to divert the rivers Alpheus and Peneus.
 ANSWER: **Augeas**
 [10] When Heracles went to war with Elis, he requested use of a talking horse with this name. Another mythological figure with this name was rescued by dolphins from a bunch of pirates and invented the dithyramb.
 ANSWER: **Arion**
8. Answer the following about other works referenced in *The Waste Land*, for 10 points each.
 [10] The last line in “The Burial of the Dead” is “hypocrite lecteur!—mon semblable,—mon frère,” the final lines of the preface to this seminal symbolist collection by Charles Baudelaire.
 ANSWER: *Les **Fleurs du mal*** [or *The **Flowers of Evil***]
 [10] Eliot used both the original line “Oh keep the Dog far hence, that’s friend to men, Or with his nails he’ll dig it up again” and a slightly modified version, from Cornelia’s dirge to Marcello in this John Webster revenge tragedy about the murder of Vittoria.
 ANSWER: *The **White Devil***
 [10] The final stanza of the poem references “the prince of Aquitaine whose tower is destroyed,” a line from this Gerard de Nerval sonnet about lost love, which begins “I am the dark one, the widower, the unconsolated.”
 ANSWER: “El **Desdichado**” [or “The **Disinherited**”]
9. For a two-body scattering process, all Lorentz-invariant combinations of the incoming and outgoing four-momenta can be expressed in terms of these variables. For 10 points each:
 [10] Name these variables, only two of which are independent, which describe the kinematics of certain particle reactions.
 ANSWER: **Mandelstam** variables [or **s**, **t**, **u** (all three required)]
 [10] Mandelstam extended the work of Coleman in showing that solitons, a stable, solitary example of these phenomena, correspond to fermions in the massive Thirring model. They transfer energy, have an amplitude, and come in a transverse type.
 ANSWER: **waves**
 [10] Zabusky and Kruskal derived the KdV equation, for which solitons are a solution, for the one-dimensional nonlinear lattice of 32 particles that spawned this problem after it periodically returned to its initial conditions when simulated on the MANIAC.
 ANSWER: **FPU** problem [or **Fermi-Pasta-Ulam** problem]

10. Name the following non-artistic songs that appear in arguably artistic films, for 10 points each.
- [10] In *Reservoir Dogs*, Mr. Blonde asks Nash if he's ever listened to "K-Billy's Super Sounds of the '70s" before torturing him and slicing his ear off with a straight razor to the tune of this enduring Stealers Wheel ditty.
ANSWER: "**Stuck in the Middle With You**"
- [10] In *Lost in Translation*, this The Jesus and Mary Chain song plays at the end during Bill Murray's hug with Scarlett Johansson. Its lyrics include the line "I'll be your plastic toy / for you."
ANSWER: "**Just Like Honey**"
- [10] In *Almost Famous*, the members of Stillwater ease the tension in the tour bus by singing this Elton John classic, whose title character is a "blue jean baby, L.A. lady, seamstress for the band."
ANSWER: "**Tiny Dancer**"
11. If you want to own one of these items, be prepared to pay a \$200 transfer tax and to give your fingerprints to the FBI. For 10 points each:
- [10] Name these items that, in the U.S., are only available for purchase if they were manufactured before May 19, 1986.
ANSWER: fully **automatic weapons** [or **fully automatics**; accept **automatic** paired with anything like firearm, gun, etc.; do not accept "semi-automatic weapons" or similar answers]
- [10] The bill outlawing the sale of automatic weapons after 1986 was signed into law by this president who was shot in 1981 by John Hinckley in an event that prompted the passage of the 1993 Brady Handgun bill.
ANSWER: Ronald [Wilson] **Reagan**
- [10] Federal firearms laws are split into two titles. Title II is the National Firearms Act of 1934, and Title I is this piece of 1968 legislation that lists classes of people prohibited from owning firearms and creates the Federal Firearms Licensing scheme for firearms dealers.
ANSWER: the **Gun Control Act** of 1968 [or **GCA**]
12. The unpleasant noise of a saw cutting through wood causes this character to shudder, leading to his recollection of "Po' Sandy." For 10 points each:
- [10] Name this narrator in Charles Chesnutt's collection *The Conjure Woman*, an avuncular former slave who regales his new white neighbors with stories such as "Hot Foot Hannibal" and "The Goophered Grapevine."
ANSWER: Uncle **Julius McAdoo** [accept either name, prompt on **Uncle**]
- [10] Uncle Julius was clearly inspired by Uncle Remus, the creation of this American folklorist who penned the Br'er Rabbit stories.
ANSWER: Joel Chandler **Harris**
- [10] Charles Chesnutt achieved fame after this author praised his stories in a review published in the *Atlantic Monthly*. This author himself wrote about the decaying marriage between Bartley Hubbard and Marcia Gaylord in *A Modern Instance*.
ANSWER: William Dean **Howells**
13. The second set of these works includes a piece that quotes the opening bars of "God Save the Queen." For 10 points each:
- [10] Name this two-part collection of works, which includes the pieces "The Sunken Cathedral" and "The Maid with the Flaxen Hair."
ANSWER: the **Preludes** [**moderator note** they are by Debussy, but don't say that]
- [10] The *Preludes* is a major work by this French Impressionist composer, whose "Claire de Lune" is played by tons of young pianists.
ANSWER: Claude **Debussy**
- [10] Debussy began his second book of *Preludes* with this piece, which employs a tonal triad with whose complexity suggests polytonality. The piece's name is a reference to the chromatic obfuscation of the C major tonic.
ANSWER: "**Brouillards**" [or "**Mists**"; or "**Fog**"]
14. The PSI-4 suite contains a comprehensive set of software that can be used for these methods, and most molecular applications of these methods have their basis in Hartree-Fock theory. For 10 points each:
- [10] Name this set of methods from computational chemistry, whose name refers to the fact that they are based solely on quantum mechanics and not on empirically derived parameters.
ANSWER: **ab initio** methods
- [10] Moller and Plesset developed a version of this theory that uses ab initio methods with ridiculously slow runtimes to approximate the impact of small additive parameters by inserting them in to already known solutions.
ANSWER: **perturbation** theory
- [10] Perturbation theory can be used to approximate solutions to this equation, which relates the Hamiltonian of a wavefunction to its energy eigenvalue. It has time-dependent and time-independent formulations.
ANSWER: **Schrödinger** Equation

15. Answer the following about the politics of that most racist of countries, Australia, for 10 points each.
 [10] This would-be Labor Party challenger to John Howard for the Prime Ministership lost the 2004 election because of his aggressive handshake, which the media regarded as a sign that he was a bully.
 ANSWER: Mark [William] **Latham**
 [10] This deliverer of “The Forgotten People” speech was the longest-serving Prime Minister of Australia and admired Nazi Germany a great deal despite being forced to declare war on the Axis Powers.
 ANSWER: Sir Robert [Gordon] **Menzies**
 [10] Kevin Rudd issued a formal apology for the Stolen Generation of the Torres Strait Islanders and these indigenous Australians.
 ANSWER: **Aborigines** [or **Aboriginals**]
16. In one novel by this author, an Italian rug merchant living in Calcutta tells The Fugitive how to get to an island where the title object feeds on the wind and waves to cause hallucinations. For 10 points each:
 [10] Name this Argentine author whose novel *The Invention of Morel* influenced Alain Resnais’s film *Last Year at Marienbad*.
 ANSWER: Adolfo **Bioy Casares** [prompt on a partial answer]
 [10] In this other novel by Bioy Casares—which involves no diaries, wars, or pigs—Lucio Bordenave loses his job at a bank and comes home one day to find that his wife Diana has become a dog.
 ANSWER: ***Asleep in the Sun*** [or ***Dormir al Sol***]
 [10] Bioy Casares was a friend and frequent collaborator of this author of “The Garden of Forking Paths” and “The Library of Babel.”
 ANSWER: Jorge [Francisco Isidoro] Luis **Borges**
17. In the wake of this government’s rise to power, the right-wing Legitimist faction was left behind. For 10 points each:
 [10] Name this French monarchy that lasted from 1830 until 1848 under “Citizen King” Louis-Philipp, named after the month of the rebellion that installed it.
 ANSWER: the **July** Monarchy [or la monarchie de **Julliet**]
 [10] In the wake of the July Revolution, this French banker of the “Parti du mouvement” put together the first government during the July Monarchy. He was toppled less than a year later when another banker, Casimir Perrier, took over.
 ANSWER: Jacques **Laffitte**
 [10] Louis-Philippe’s regime defined itself using this two-word phrase from a quote of the king, which signified that the monarchy was an “equal distance from the excesses of popular power and the abuses of royal power.”
 ANSWER: the **juste milieu** [or **just middle**; accept alternate close translations]
18. This man gained prominence after defending J.M.W. Turner in his *Modern Painters*, and this man was once married to Effie Gray, who later married John Everett Millais. For 10 points each:
 [10] Name this art critic who was sued for libel after he compared Whistler’s *Nocturne in Black and Gold* to a pot of paint flung into the public’s face.
 ANSWER: John **Ruskin**
 [10] This anarchist art critic is shown holding a flower in one hand and a top-hat and cane in the other in front of a spiraling, multicolored background in a portrait by Paul Signac. This critic coined the term “neo-impressionism.”
 ANSWER: Felix **Feneon**
 [10] This member of the Bloomsbury group coined the term “post-impressionism” when he opened the “Manet and the Post-Impressionists at the Grafton Galleries” exhibition. He founded the “Omega Workshops.”
 ANSWER: Roger **Fry**
19. Edward Tatum and George Wells Beadle first proposed the “One gene one enzyme” hypothesis after studying mutations in metabolic proteins in organisms of this genus. For 10 points each:
 [10] Name this genus of Ascomycetes, whose species *crassa* has served as a model to extensively study meiosis and recombination. This genus gets its name from the distinctive striations on certain cells of these organisms.
 ANSWER: ***Neurospora***
 [10] Most *Neurospora* spend most of their life cycles in this stage. Cells in this stage have only one copy of each of their chromosomes, and gametes are types of these cells.
 ANSWER: **haploid** [prompt on **n**]
 [10] Another model organism is the *truncatula* species of this genus of legumes. This genus of legumes, which includes alfalfa, forms associations with *Sinorhizobium* in an interaction that serves as a model for many studies of symbiosis.
 ANSWER: ***Medicago***

20. One of the manuals for this religious sect reads as follows: “Make Dragon and Tiger sport together according to the rules for the 3-5-7-9 strokes, the Heavenly and Earthly net. Open the Red Gate, insert the Jade Stalk.” For 10 points each:
[10] Name this group of Taoist deviants who, when they weren’t engaging in orgies at the ends of mass trances and fasts, were united in rebellion by the Zhang brothers.
ANSWER: **Yellow Turbans** [or **Yellow Scarves**]
[10] At the opposite end of the sexual craziness spectrum from the Yellow Turbans was the Five Pecks of Rice movement, which opposed reproductive sexual intercourse between men and women because it upset the balance of this life force.
ANSWER: **qi** [or **chi**]
[10] On a far less risqué note, the later White Lotus society appealed to women because, while its members were waiting around for the Maitreya Buddha to reappear, they venerated this female figure as the progenitor of mankind.
ANSWER: **Eternal Mother** [or **Unborn Mother**; or **Eternal Venerable Mother**; prompt on **Mother**]
21. Most of the rubbish destined for this place was transported via barge up the Arthur Kill. For 10 points each:
[10] Name this landfill, once the principal dumping ground of New York City, which was the world’s largest man-made structure for a time.
ANSWER: **Fresh Kills** Landfill
[10] Fresh Kills is located within this New York City borough that is closest to New Jersey and is separated from the rest of the city by New York Bay.
ANSWER: **Staten Island**
[10] John D’Agata’s *About a Mountain* documents the proposed nuclear waste repository to be located beneath this Nevada landform.
ANSWER: **Yucca** Mountain