

Chicago Open 2014: A Redoubtable Coupling of Editors

Finals 1

Edited by Austin Brownlow, Andrew Hart, Ike Jose, Gautam & Gaurav Kandlikar, and Jacob Reed

Tossups

1. This man once built a magnificent home that featured 13 royal thrones, the largest of which is inlaid with carbuncles and juts through the house's roof. In order to incite men to action, this man threatens to make the breasts of women beat together until they become loathsome and putrid. After being punched in the head with five *fidchell* pieces, this son of Carbad is killed by a white bull and a brown bull that are continuously fighting. This man, who is sometimes called "of the poison tongue," offers up honey-cakes, a cauldron of wine, and other delectable foods as a prize. This figure awards those prizes to a hero who beheads Cu Roi the day before Cu Roi comes back and beheads him. This trickster offers the Champion's Portion to Conall Cernach, Loegaire Buadach, and Cuchulainn at a festive occasion he initiates. For 10 points, name this trouble-maker from Irish mythology, whose feast titles a story in the Ulster Cycle.

ANSWER: **Bricriu** [or **Briccrui**; or **Bricne**; accept **Bricrenn**]

2. An organization founded by this man grew thanks to support from the ILWU and the Retail Clerks Union. One of his companies built a ten-mile-long conveyer belt through the Cascades to supply cement for the Shasta Dam. This man formed a joint-venture with Warner Bechtel that held the largest stake among the six-company consortium that built the Hoover Dam. The Rosie the Riveter/World War II Home Front National Park occupies land once held by an organization owned by this man that constructed the *SS Robert E. Peary* in less than five days. This industrialist formed an aluminum company and a steel company, and ran shipyards active during World War II, and he co-founded an organization with Dr. Sidney Garfield that provided healthcare to his employees. For 10 points, identify this industrialist who names the largest managed-healthcare organization in the U.S., which shares its name with Permanente Creek.

ANSWER: Henry [John] **Kaiser**

3. One scientist with this last name co-wrote a paper with Tom Mitchell that augments a learning algorithm by combining unlabeled data with labeled data using co-training. A female computer scientist with this last name showed that, even if Turing machines could compute over the real numbers in constant time, there would still exist a set of NP-hard problems for those Turing machines. A set of axioms named after another scientist with this last name are used to derive a result stating that for any Boolean-valued computable function, there always exists one of smaller complexity; that result is known as his speedup theorem. One scientist with this surname has a namesake type of Turing machine along with Stephen Smale and another man. An algorithm developed by two of the aforementioned scientists with this last name uses the Carmichael function to produce the same kind of output as the Mersenne Twister. For 10 points, give the last named of these three Carnegie Mellon computer scientists, two of whom co-name a pseudo-random number generator with Michael Shub.

ANSWER: **Blum** [accept **Manuel Blum** or **Lenore Blum** or **Avrim Blum**]

4. This author promoted ordinary virtues such as caring and sharing over heroic virtues such as courage in a book arguing that men's virtues and moral life deteriorated in concentration camps. Another book by this thinker argues that detective stories have a two-pronged plot: one of the crime and one of the investigation, both of which contribute to the geometric architecture of the genre. In another book, this man defined the title concept as the collapse between mind and matter and argued that in the title type of literature, "personalities may be multiplied." In that book, this author analyzed moments of hesitation in fiction and discussed the various ways of resolving them. That book by this author of *Facing the Extreme* and *The Poetics of Prose* defines the uncanny as "an experience of limits" and distinguishes the title concept from the marvelous. For 10 points, what theorist who wrote "a structural approach to a literary genre" called *The Fantastic* was born in Bulgaria?

ANSWER: Tzvetan **Todorov**

5. In the fourth and final chapter of this book, the author imagines wearing the fabled ring of Gyges and sneaking into his neighbors' house to observe them preparing food. This piece of prose compares the act of using a figure of speech to tossing rice at a wedding and includes a multi-page analysis of the phrase "go fuck a duck." This work's section on sex begins with an analysis of a scene in which pirates overtake *The Cyprian* in John Barth's *The Sot-Weed Factor* and cites Robert Graves's "The Australian Poem" as a book that shows the imaginative meanness of tough talk. This work begins by listing things described by the title adjective, such as oysters, Russian cats, Confederate money, the moon, cyanosis, and deep holes in the ocean. In this book, the pleasures, connotations, reveries, and spirits associated with a certain shade are discussed by the author of *Reading Rilke* and *A Temple of Texts*. For 10 points, name this "philosophical inquiry" into the title color by William Gass.

ANSWER: **On Being Blue**: *A Philosophical Inquiry*

6. This country's government built one million homes over ten years in the Million Programme and researched nuclear weapons under its "freedom of action" doctrine, which it abandoned in 1966. After the U.S., Russia, and Britain, this country had the fourth-largest air force in the world in 1964, and it operated one of the world's most invasive compulsory sterilization programs between 1932 and 1976. After World War II, this country's economy entered the "record years" under its longest-serving prime minister, who served between 1946 and 1968. Government spending in this country peaked at 68% of GDP in 1993, the highest mark ever in a democracy. Its long-ruling Social Democratic Party built on the ideas of the coiner of the term "geopolitics," a thinker from this country named Johan Kjellén, to build its Folkhemmet welfare state. For 10 points, name this European country whose prime ministers have included Tage Erlander, Goring Persson, Anna Lindh, and Olof Palme.

ANSWER: [Kingdom of] **Sweden** [or Konungariket **Sverige**]

7. Yang et al. proposed a link between a macroscopic form of this quantity and compressibility with intuitions from the microscopic form of this quantity. It is proportional to the second derivative of energy with respect to the number of electrons in the atom when the molecular geometry is constant. It is approximated as "one-half the difference between ionization energy and the electron affinity," or "half the gap between the HOMO and the LUMO," assuming Koopmans' theorem holds. In the Qual Scheme, metal ions with high values for this quantity form a cluster called the lithophiles, since they demonstrate a propensity to form carbonate, sulfate, and oxide minerals. This quantity describes the ability of the atom to redistribute charge within itself, and is thus a measure for the polarizability of the atom. The idea that systems tend to reorganize themselves to maximize this quantity was postulated by Ralph Pearson. For 10 points, name this quantity from an acid/base theory that is the counterpart of "softness."

ANSWER: **hard** [or **hardness**]

8. One theologian with this name argued that, to combat evil, we must remember that we will die and also remember the benefits of heaven in *Treatise on the Seven Spiritual Weapons*. Another Italian theologian of this name claimed that those in purgatory see the true glory of God in the tract *Treatise on Purgatory*. In addition to those Bolognese and Genoese theologians, another thinker of this name, who is the subject of a Sigrid Undset biography, uttered “be what you are meant to be and you will set the entire world alight!” That thinker of this name received a vision in which she was married to Jesus Christ and wrote a letter urging Gregory XI to bring the papacy back from Avignon to Rome. Another woman of this name was eventually beheaded after the breaking wheel on which she was being tortured broke. For 10 points, give this name of various saints, including a woman from Siena and a martyr from Alexandria.
ANSWER: St. **Catherine** [of Bologna, Genoa, Siena, and Alexandria]

9. The first utterance of this phrase occurred in a conversation contrasting the beliefs of Schelling and Schiller between Henry Crabb Robinson and Benjamin Constant. W.E.B. Du Bois’s call for manuscripts for the 1926 Krigwa literary contest emphasized that he disagreed with this phrase and wanted the submissions to ignore it because he was “primarily interested in the earth”; Du Bois’s stance on this phrase earned him a reputation as a propagandist during a feud with Claude McKay. Stefan George translated this phrase into German and used it as the motto for his magazine *Blätter*. The banner above the MGM lion contains a Latin rendering of this phrase, which was first used in English in Swinburne’s poem *William Blake* and a review of William Morris’s poetry by Walter Pater. It became a rallying cry for the Decadent movement after it was popularized by Théophile Gautier. For 10 points, name this four-word English phrase, or its three-word French counterpart, signifying that creative endeavor has no purpose but itself.
ANSWER: **art for art’s sake** [or l’**art pour l’art**; accept **Ars gratia artis** or **kunst für die kunst**]

10. Along with *H. parasitica*, members of this genus have been widely studied for the Avr family of effectors, which facilitate translocation of these organisms into host cells. Mating types labeled A1 and A2 are found in the heterothallic species of this genus. The Grunwald lab at Oregon State maintains the authoritative database on members of this genus, which infect organisms similar to those infected by members of the *Pythium* genus. One member of this genus has developed resistance against compounds like metalaxyl, and modern cultivars of the *Solanaceae* family have been bred with genes to resist that species. These oomycetes have a *sojae* species that causes stem and root rot in soybeans. A dark ooze appears from cankers in trees with sudden oak death, which is caused by the *ramorum* species of this genus. For 10 points, name this genus of water molds, whose species are responsible for causing deadly plant diseases, such as the *infestans* species that caused the Irish potato famine.
ANSWER: **Phytophthora** [accept **Phytophthora infestans** or **Phytophthora ramorum** at any point; prompt on “*P. infestans*” or “*P. ramorum*”]

11. In the lead up to this military action, a ruler boldly stated that “thicker grass was easier to cut than thinner” when told that his enemies might resist his army. The historian Orosius actually defended this action on the grounds that it prevented Radagaisus from seizing control in its aftermath. Zosimus records that an attempt to defer this action included a bribe of 5,000 pounds of gold and 3,000 pounds of pepper. Procopius recounts that one ruler who heard the news of this action mistakenly believed his favorite chicken was slaughtered. The man who perpetrated this action was buried under the river bed of Busento when he died shortly after it. That man had set up Priscus Attalus as a usurper before deposing him when negotiations broke down before this action. This action did not cause the death of Emperor Honorius, who was staying at the capital of Ravenna when it occurred. For 10 points, name this military action carried out by a Visigoth ruler, which inspired St. Augustine to write *The City of God*.
ANSWER: **Sack of Rome in 410 CE** [accept **Alaric’s Sack of Rome**; accept **August 24 Sack of Rome**; accept **Visigoths’ Sack of Rome** before “Visigoths”; prompt on “Visigoth(s) sack of Rome” after “Visigoths”; prompt on “Sack of Rome” or equivalents]
12. One work based on this piece includes the Latin riddle “Ubi thesis assint ceptra, ibi arsis et e contra,” instructing the tenors to exchange parts with the basses, in inversion. This piece forms the basis of works that begin and end Ottaviano Petrucci’s collection of works by one composer. A headmotive based on *In Hydraulis* opens another work based on this piece; in that work, this piece begins on a progressively higher note of the hexachord in each section. More recently, Peter Maxwell Davies and Karl Jenkins have written works based on this piece. Busnoys may have written this song for Charles the Bold’s Order of the Golden Fleece. The lyrics of this piece state that “one should fear” its title figure and that everybody should acquire a “coat of iron mail.” Josquin des Prez wrote masses “super voces musicales” and “sexti toni” based on this piece. For 10 points, name this hit song of the 1400s, used as a cantus firmus in many masses.
ANSWER: “L’**homme armé**” [accept “The **Armed Man**”]
13. One character in this place notes “the poor world is almost six thousand years old” and that “men have died from time to time and worms have eaten them, but not for love.” That character in this place compares the act of having “sold your own lands to see other men’s” to having “rich eyes and poor hands.” Another character in this location discovers a lioness terrorizing a wayfarer who has a serpent coiling around his neck, who crazily turns out to be his brother. A duke comes to this place and meets a holy hermit, who convinces the duke to take up religious life and return the duchy he usurped from his elder brother. A son of Sir Rowland de Boys carves his lover’s name and pins poems praising her onto the trees of this place. In the last scene set at this place, the god Hymen appears to officiate a marriage between Touchstone and Audrey and three other couples. For 10 points, name this grove-like location from *As You like It*.
ANSWER: Forest of **Arden**
14. Variation in this phenomenon can be quantified using a function typically approximated as “one minus one-half e to the minus 0.13 tau, minus one-half e to the minus tau,” where tau is the reduced time. A certain model of this phenomenon includes an attenuation coefficient expressed in terms of modified Bessel functions of the second kind and related by a Laplace transform pair to Wagner’s indicial response function; that is the Theodorsen model of this phenomenon. It causes shedding of horseshoe vortices, and its magnitude equals the product of density, velocity, and circulation according to the Kutta-Joukowski theorem. For an elliptical geometry, this phenomenon’s namesake coefficient depends solely on the aspect ratio and angle of attack. Hitting a ball with backspin generates this phenomenon due to the Magnus effect. For 10 points, name this aerodynamic force that occurs perpendicular to the direction of flow and enables flight.
ANSWER: **lift** [prompt on “aerodynamic force”]

15. The poem that includes this query describes a group of "nearest, dearest kin" who ask "what good will planting flowers produce?" The figure who asks this question is told that a "prodding sly" with whom she was once enemies now thinks that she was "no more worth her hate, and cares not where [she is]." In the first stanza, we learn that this question's asker was once involved with a "loved one" who states "It cannot hurt her now...that I should not be true." Ironically, this query is addressed to a once-loyal character, who states he is doing a certain action "in case I should be hungry when passing on my daily trot." This query titles the final poem in the "Lyrics and Reveries" section of *Satires of Circumstance*. In response to this query, an animal states "I am sorry, but I quite forgot it was your resting-place" to justify why he is burying his bone. For 10 points, name this question that a now-dead woman asks to her dog in a cynical poem of Thomas Hardy.

ANSWER: "Ah, Are You Digging On My Grave?" [accept "Who is digging on my grave?" or "But some one digs upon my grave"; accept equivalents including "digging on my grave"]

16. In one scene in this film, the protagonist is asked to figure out the meaning of a confusing tale of a soldier who serenades his lover for 100 nights. The protagonist of this film sets up a ruse to distract a pastor from a confessional, allowing the protagonist to rendezvous with his love interest; the director's cut to this film reveals that the love interest Elena had been manipulated to spurn the protagonist and allow him to follow his dreams. Toward the end of this film, the protagonist runs into a sculpture of a lion's head that frames many instances of streaming light in this film. At the end of this film, the protagonist receives a reel that contains a compilation of all the on-screen kisses censored by a priest. Much of this film flashes back to the protagonist's life in the sleepy Sicilian town of Giancaldo, where he learns to work with film equipment from his mentor Alfredo. For 10 points, name this film about the nostalgic memories of Toto in the title place of entertainment, directed by Giuseppe Tornatore.

ANSWER: Cinema Paradiso [or Nuovo Cinema Paradiso]

17. The Chinese name for this district is that of its main east-to-west road, Dong Jiao Min Xiang, or "East River-Rice Lane," referencing its importance as a thoroughfare for grain transport. This district's primary function arose when, because of its proximity to the Grand Canal, the Ming Dynasty used it as the location of the Ministry of Rites. This district was modernized in 1860 under a government body called the Zongli Yamen. Following the murder of Baron von Ketteler, Herbert Squiers and Claude MacDonald raised a defense of the Tartar Wall in this district. It was targeted by the restrained Ronglu and the ferocious Dong Fuxiang, the latter of whom commanded a Muslim army called the Kansu Braves. For 55 days, the occupants of this district waited while the Seymour Expedition failed and the Eight-Nation Alliance succeeded in relieving them. For 10 points, name this "quarter" of Beijing that was besieged when the anti-foreigner Boxer Rebellion targeted the many foreign offices it contained.

ANSWER: Beijing Foreign Legation(s) Quarter [or Peking Legation(s) Quarter; accept Dong Jiao Min Xiang before "Dong Jiao"; prompt on "Dongcheng (District)"]

18. One painting by this man shows a figure wearing blue squatting precariously on a thin wooden block and who is removed from a group of clowns, and a large crowd visible in the background. Another painting by this man shows a yellow light shining on a figure as he frees himself from chains and is escaping the darkness behind the window. *Acrobat on Trapeze* and *The Liberated One* are paintings by this artist, who outlined his vision of a new social order in *The Artist in the State*. One painting by this man titles a book by critic Jill Lloyd and depicts a figure wearing a striped night gown as he holds a silver horn to his ear; another work depicts this artist in front of a purple screen holding a cigarette and wearing a tuxedo. This painter was stripped of his professorship at the Stadelshule of Frankfurt in 1933. For 10 points, name this artist who created numerous self-portraits, and painted the triptych *Carnival* after fleeing Nazi Germany, where his art was deemed "Degenerate."

ANSWER: Max Beckmann

19. In a book named for these things, one of them called “The Curse of the Cauliflower” is used by the author to show that isolating subjective experiences, such as the way a particular food tastes to someone, is impossible. In that 1995 book, the author claimed that another of these constructs is the talent that people have for interpreting the people around them, which is called “folk psychology.” In a book about “The Varieties of Free Will Worth Wanting,” the author argues that Rene Descartes’s “cogito ergo sum” statement is one of these concepts that has beguiled philosophy for 300 years. These concepts were first introduced in the book *Elbow Room*, which stated that a thought experiment proposed by John Searle, the Chinese Room experiment, is one of them because it appeals to the imagination instead of presenting a soundly derived arguments from principles. For 10 points, name these thought experiments that are designed to elicit an instinctual thought process, which title a book by Dan Dennett.

ANSWER: **intuition pumps** [prompt on “thought experiment(s)” before “thought experiments”]

20. This character compares himself to the flame of a candle and a drunken butterfly to tell another character how he is the figure of eternal sacrifice that burns people into spirit and light. This 67-year old discourses on the beauty of a hyalite, hyaline quartz to deflect a question from his son about an occupant of the Hotel Elephant. A woman uses this character’s theater box and then has an imaginary conversation with him about the nature of sacrifice while riding in a carriage back to her hotel. This character is contrasted both with Dr. Friedrich Reimer, who abandoned a post at a university to become his secretary, and with his son August, who is fated to always follow in his footsteps. This character doesn’t actually appear until the antepenultimate chapter, in which he has a conversation with Charlotte Kestner, a woman he’d loved 40 years ago. For 10 points, name this aging writer who is reunited with the inspiration of his youth in Thomas Mann’s *Lotte in Weimar*.

ANSWER: Johann Wolfgang von **Goethe**

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Packet by Yes, Virginia, There is a Mukherjesus (Evan Adams, Matt Bollinger, Tommy Casalaspi, Eric Mukherjee)

Edited by Austin Brownlow, Andrew Hart, Ike Jose, Gautam & Gaurav Kandlikar, and Jacob Reed

Tossups

1. This man rejected the “investigation of things” after spending seven days staring at some trees. For 10 points each:
[10] Name this philosopher who developed the concepts of “innate knowing” and “unity of thought and action” in works such as *Instructions for Practical Living*.
ANSWER: Wang Yangming [or Wang Shouren; or Bo'an; or Oyomei]
[10] Wang Yangming opposed Zhu Xi's rearrangement of this text that served as one of the *Four Books*, arguing that it should be returned to its original form as found in the *Classic of Rites*. This text's primary author is Zengzi.
ANSWER: Great Learning [or Da Xue]
[10] Wang Yangming subscribed to this philosophical doctrine, which favors the ontological precedence of the mind over the external world. George Berkeley defended this stance in his “Master Argument” and developed a “subjective” version of it.
ANSWER: idealism [accept word forms; accept subjective idealism]
2. The singer of this song reminds the listener to “be thankful I don't take it all” lest the listener think “five percent appear to small.” For 10 points each:
[10] Name this Beatles song that references Harold Wilson and Edward Heath, and reminds the listener “there's one for you, 19 for me.”
ANSWER: “Taxman”
[10] Among the bizarre taxation schemes of Harold Wilson's government was the Selective Employment Tax. It was proposed by Thomas Blalock and this Hungarian economist who served as an advisor to Wilson's Chancellor of the Exchequer, James Callaghan.
ANSWER: Nicholas Kaldor [or Kaldor Miklos]
[10] Callaghan made a push for this action, which Stafford Cripps had done by nearly 30% in 1949. Wilson defended this policy as a “chance to get out of the straitjacket” in a televised speech broadcast at 9:30pm on a Saturday.
ANSWER: devaluation of the pound sterling [accept equivalents like “making the pound less valuable”]

3. These particles are subject to the MSW effect as they oscillate while traveling through matter. For 10 points each:

[10] Name these particles that experience mixing of their flavor and mass eigenstates, as described by the PMNS matrix.
ANSWER: neutrinos

[10] This detector found the first evidence of neutrino oscillation soon after going live in 1996. It is an underground tank filled with 50,000 tons of water, and it is the successor to an older detector that failed to observe proton decay.
ANSWER: Super-Kamiokande [or Super-Kamioka Neutrino Detection Experiment; do not accept or prompt on "Kamiokande"]

[10] When a neutrino oscillates between just two flavors, this is the maximum probability of conversion from one flavor to the other. Give your answer as a function of the mixing angle theta.
ANSWER: sine squared of two theta [accept mathematical equivalents, e.g. four sine squared theta cosine squared theta]
4. This man made the leader of the CROM labor union, Luis Morones, a secretary of labor and commerce but later split with Morones. For 10 points each:

[10] Name this man who had de facto power during a period called the maximato. He promoted a grand literacy agenda and possibly orchestrated the assassination of Venustiano Carranza with his predecessor, Alvaro Obregon.
ANSWER: Plutarco Elias Calles

[10] Calles's term as president included this conflict in which the government's attempts to enforce anti-Church measures in the Constitution of 1917 were met with fierce resistance from the Catholics. It lasted for most of the late 1920s.
ANSWER: Cristero war

[10] Soon after coming to power, Calles nullified this 1923 agreement between Mexico and the U.S., negotiated by Obregon, which guaranteed that mineral-rich lands purchased by the U.S. would not be subject to seizure by the Mexican government under Constitution of 1917.
ANSWER: Bucareli accords or agreement or treaty [accept Convención Especial de Reclamaciones or Special Convention [for or of] Claims]
5. The incipient movement of this substance versus the critical shear stress is considered on the Shields diagram. For 10 points each:

[10] Name this term for matter produced by the weathering of rocks at the Earth's surface and transported by wind, ice, water, or gravity.
ANSWER: sediment

[10] This diagram in sediment transport plots the boundaries between erosion, transportation, and deposition of sediment on a graph of flow velocity versus particle size. A refinement of this diagram was implemented by Sundborg.
ANSWER: Hjulström-Sundborg diagram [or Hjulström-Sundborg curve]

[10] An outdoor example of these open-channel structures was built by G. K. Gilbert at Berkeley to study sediment transport. The University of Tsukuba built a giant recirculating example of these structures, which carry unidirectional gravity-driven free-surface flow, as opposed to closed ducts or conduits.
ANSWER: flumes

6. This artist's *Requiem* series of photographs is a reworking of several political images, and his *Actresses* collection makes references to Lisa Minelli, Audrey Hepburn, and other actresses. For 10 points each:
 [10] Name this Japanese appropriation artist who, in his frequent cross-dressing endeavors, has inserted himself into the iconic scene of Marilyn Monroe with her skirt billowing up.
 ANSWER: Yasumasa **Morimura**
 [10] Morimura wears two hats and has an extra pair of hands in *Dublonnage (Marcel)*, which is a reference to Marcel Duchamp cross-dressing as this person for a photograph taken by Man Ray.
 ANSWER: Rose **Selavy**
 [10] Morimura's *Looking Back (Mirror)* is a remake of this painting, which was purchased for only 2 guilders and 30 cents by Arnoldus Andries des Tombe in 1881. A 1994 restoration revealed that its dark black background was originally a deep green, but the organic pigments faded with time.
 ANSWER: **Girl with a Pearl Earring** [by Johannes Vermeer]
7. The three characters who appear on stage in this play are Paulina Salas, her husband Gerardo Escobar, and Roberto Miranda, a doctor who has a flat tire, leading to this play's central conflict. For 10 points each:
 [10] Name this play by Ariel Dorfman in which Paulina tells her husband that Dr. Miranda tortured and raped her while playing the title string quartet.
 ANSWER: **Death and the Maiden**
 [10] Near the end of *Death and the Maiden*, the stage directions call for a gigantic one of these objects to descend. The audience is supposed to absorb its presence for a few minutes before the action continues.
 ANSWER: **mirror** [accept equivalents]
 [10] *Death and the Maiden* is one of the works in the Ariel Dorfman's *Resistance Trilogy*, which also includes this play about the censor Don Alfonso discovering that the subversive manuscript he is about to ban is actually about himself.
 ANSWER: **Reader**
8. For 10 points each, name these sources of Greek mythology, none of whom are Homer, Hesiod, Apollodorus, Hyginus, Aelian, Antoninus Liberalis, Robert Graves, or the gods; good luck chumps!
 [10] The story of Semiramis was introduced in this Sicilian's *Bibliotheca Historia*.
 ANSWER: **Diodorus** of Sicily [or **Diodorus Siculus**]
 [10] This author of *The Sacred History* supposedly traveled to an island with a golden pillar, where he figured out that the stories the Greek gods were fictionalizations of actual historical events; he thus gives his name to an eponym that means the act of interpreting myths as exaggerations of history.
 ANSWER: **Euhemerus** [accept **euhemerization** or word forms]
 [10] A sequel to *The Iliad* is described in this poet's *Posthomerica*. Its events include the sacrifice of Polyxena...and pretty much anything about the Trojan War not included in the *Iliad*.
 ANSWER: **Quintus of Smyrna** [or **Quintus Smyrnaeus** or **Kointos Smyrnaios**, prompt on "Quintus"]

9. In a pamphlet by Edmund Spenser called *A View*, Eudoxus is persuaded by an expert in this island's affairs that forming colonies in this part of the world to subdue the Catholics is a good thing. For 10 points each:
- [10] Name this island in which several "plantations" were established by English and Scottish people, who confiscated lands from Catholics in places like Ulster and Munster.
ANSWER: **Ireland**
- [10] A plantation was established in this county, where many McMorroughs were displaced and eventually moved to Virginia. David Synnot attempted to negotiate with invaders of this town in 1649, but was hanged during its sacking.
ANSWER: **Wexford**
- [10] The Munster plantation was established after these rebellions of the 1560s and 1570s were suppressed. They were led by Gerald Fitzgerald, but the brutal response and scorched earth tactics of the lords Black Tom Butler and John Perrot led to the end of these rebellions after a major famine in the early 1580s.
ANSWER: **Desmond** rebellions [or **Deasmumhain** rebellions]
10. For 10 points each, name these 20th-century American poets found in *Word of Mouth*, an anthology of LGBT poetry.
- [10] This author's two poems in honor of David Kalstone are included in the anthology. His partner David Jackson is honored in "David's Night in Velis," and his literary collaboration with Jackson inspired his longest poem.
ANSWER: James [Ingram] **Merill**
- [10] Included in the anthology is this other poet's "The Ice Cream Wars," which parenthetically describes a Japanese text in which two men make love on a foam-rubber bed. He won a Pulitzer prize for his book *Self-Portrait in a Convex Mirror*.
ANSWER: John [Lawrence] **Ashbery**
- [10] This writer's *In the Western Night* appears in the anthology. He won the National Book Award recently for *A Metaphysical Dog* and wrote a sensuous collection titled *The Book of the Body*.
ANSWER: Frank **Bidart**
11. One equation describing this process assumes that only monolayers are formed, and that surfaces on which this process occurs are uniform. For 10 points each:
- [10] Name this process whose extent is related to the partial pressures of the gas undergoing this process in an isotherm named for Irving Langmuir.
ANSWER: **adsorption** [accept "chemical **adsorption**" or "physical **adsorption**"]
- [10] This regime, which is characterized by pressures as low as ten-to-the-negative-nine torr, significantly increases the mean-free-path of particles. Achieving this regime has been central to the Nobel-winning surface chemistry work of Gerhard Ertl.
ANSWER: **ultrahigh vacuum** [accept **UHV**]
- [10] In the UHV-assisted photon traps of Haroche et al., photons interact with gigantic atoms known by this name. These atoms have principal quantum number as high as 50, and high orbital quantum numbers, and their relaxation times are on the order of seconds, making them ideal systems for study.
ANSWER: **Rydberg** atoms [prompt on "alkali metal (atoms)"]

12. This author wrote about Monsieur Folantin, who searches for a decent meal, in his early novella *With the Flow*. For 10 points each:
[10] Name this writer who broke from the naturalist tradition with his novel about the decadent Jean des Essientes, *À rebours*, usually translated as *Against Nature* or *Against the Grain*.
ANSWER: Joris-Karl **Huysmans**
[10] After being beguiled by Madame Chantelouve, Durtal practices Satanism and participates in an unholy black mass at the end of this Huysmans novel. Huysmans followed it up with *The Cathedral*, in which Durtal becomes a Catholic and visits Chartres Cathedral.
ANSWER: *The **Damned*** [or ***Down There*** or *La **Blas***]
[10] In *The Damned*, Durtal is working on a biography of this man, who supposedly conducted numerous black masses. In real life, Huysmans and Jean Benedetti wrote an actual biography of him.
ANSWER: Baron **Gilles des Rais** [or **Gilles de Montmorency-Laval**; prompt on partial answer]
13. Unlike a related “mezzo” technique, this technique was little used after its circa-1650 invention by Jan van der Velde, until Jean Baptiste Le Prince’s guide popularized it in France. For 10 points each:
[10] Name this etching variant, a printmaking technique named for the ink-like effects that it renders.
ANSWER: **aquatint**
[10] The term aquatint was coined by this British landscape artist who executed *Twelve views of South Wales*. Along with his brother Thomas, this “Father of English watercolour” produced several paintings of Windsor Castle.
ANSWER: Paul **Sandby**
[10] This man produced aquatints such as *Look How Solemn They Are!* and *The Sleep of Reason Produces Monsters* as a part of his *Los Caprichos* series. He also painted *The Third of May, 1808*.
ANSWER: Francisco [Jose de] **Goya** [y Lucientes]
14. This ethnic group included shepherds who produced arborglyphs on aspen trees in the Rockies and Sierras. For 10 points each:
[10] Name this ethnic group whose American members celebrated the Euskal Jaiak in towns like Reno and Winnemucca, Nevada after a mass exodus from Spain and France during the 1830s Carlist Wars.
ANSWER: **Basque** Americans
[10] David Bieter, the mayor of this city with the largest Basque population outside of Europe, is the only Basque-speaking mayor in the U.S. This state capital serves as the resting place for a Republican senator who was a member of the Irreconcilables and ran for the Republican presidential nomination in 1936, but lost to Alf Landon.
ANSWER: **Boise**, Idaho
[10] Prominent Basques from Nevada include two brothers from this family. Paul served as a U.S. senator and was succeeded by Harry Reid, while Robert wrote the *Basque Family Trilogy* and about his father’s experiences in *Sweet Promised Land*.
ANSWER: **Laxalt**

15. Answer the following about short ballets in France at the beginning of the 20th century, for 10 points each.
- [10] This late Claude Debussy piece, which he called a “poème dansé,” includes a xylophone solo, and was based on a scenario involving a lost tennis ball.
ANSWER: Jeux [or Games]
- [10] This composer wrote the “poème dansé” *La Péri*, one of his few surviving works due to his intense self-criticism. He also wrote an E-Flat-minor piano sonata and *The Sorcerer’s Apprentice*.
ANSWER: Paul Abraham Dukas
- [10] This Maurice Ravel piece never actually turned into a ballet, because Diaghilev rejected it. Ravel’s program claims that this piece is supposed to depict a mass of couples performing the title dance at an imperial court around 1855.
ANSWER: *La Valse*, *poème choréographique* [accept *The Waltz: Choreographic Poem*]
16. These organisms have periplasmic flagella, which allows them to be motile in viscous fluid, and the motility of these bacteria occurs via backward-moving waves generated by the flagella. For 10 points each:
- [10] Name these bacteria that have a characteristic helical morphology. Examples of these bacteria include the Lyme disease-cause *Borrelia burgdorferi*.
ANSWER: spirochetes [or spirochaetae]
- [10] Like Lyme disease, this other disease that has tick-borne and louse-borne variants is caused by *Borrelia* species. It is characterized by periodic febrile episodes that may sometimes end in “crisis” events, and some *Rickettsia* bacteria also cause this disease.
ANSWER: relapsing fever [or RF]
- [10] Patients who receive antibiotics for spirochetal diseases may develop this response, which manifests as myalgia, hypotension, and fever soon after treatment. It is caused by the release of LPS from the bacteria, and can be prevented by administering anti-TNF alpha antibody prior to the antibiotic regimen.
ANSWER: Jarisch-Herxheimer reaction [accept: the Herx]
17. In a review of this work, Clifford Geertz wrote that its author had destroyed the idol of “the fieldworker with extraordinary empathy for the natives,” which this tract’s author had worked hard to create. For 10 points each:
- [10] Name this work, the subject of Geertz’s “Under the Mosquito Net.” It was first written in Polish when its author was working near the Dobu Islands, and ends with its author lamenting that “Truly I lack character.”
ANSWER: “A Diary in the Strictest Sense of the Term” [by Bronislaw Malinowski]
- [10] “A Diary in the Strictest Sense of the Term” was partially written when Malinowski was working on this 1922 book, which discusses the Kula Ring. It is the first book by Malinowski about the Trobriand Islanders.
ANSWER: Argonauts of the Western Pacific
- [10] Malinowski trained this New Zealander, who wrote the introduction to “A Diary in the Strictest Sense of the Term.” This man conducted ethnographic studies in Tikopia, and with his wife conducted lots of fieldwork in Malaya.
ANSWER: [Sir] Raymond [William] Firth

18. This book begins with a stowaway woodworm boarding Noah's ark; later woodworms are put on trial for destroying the structural foundations of a church. For 10 points each:
[10] Name this 1989 novel that interweaves 11 different narratives together, including the hijacking of a cruise liner, an analysis of Gericault's *The Raft of the Medusa*, and "Project Ararat," a story about astronaut Spike Tiggler.
ANSWER: A *History of the World in 10½ Chapters* [accept variant pronunciations of "10½" such as "ten and a half" or "ten and one half"]
[10] *A History of the World in 10½ Chapters* was written by this contemporary British novelist who fictionalized the life of Arthur Conan Doyle in *Arthur and George* and Todor Zhivkov in *The Porcupine*.
ANSWER: Julian [Patrick] Barnes
[10] Barnes won the Booker Prize for this novella in which Tony Webster recounts how his friend Adrian committed suicide after going out with Veronica, before he actually pieces together the meaning of the figures from his past life.
ANSWER: *The Sense of an Ending*
19. This location lies roughly along a line connecting the wooded regions of Thuringia with the plains of Hesse and gives a much easier route to cross its namesake river than using the Northern highlands or the Vogelsberg Hills. For 10 points each:
[10] Name this region that, for most of the Cold War, was thought of as an entry point for the Soviet invasion of Western Europe.
ANSWER: Fulda Gap
[10] Crossing the Fulda Gap would have given Soviet troops direct access to this city, which lies along the Main river.
ANSWER: Frankfurt
[10] Napoleon was able to use the Fulda Gap to retreat after this battle because Count Bertrand's forces were able to ward off an attack at Lindenau. It was preceded by a large cavalry engagement at Leibertswolkwitz.
ANSWER: Battle of Leipzig [or Battle of the Nations]
20. The Kandlikars grew up in a Marathi-speaking family in a Telugu-speaking land. Cultural conflict! For 10 points each:
[10] Both the Kandlikars underwent this ceremony at age eight, in which they were invested with a thread representing the acquisition of knowledge. They also had their heads shaved save a small circular patch at the center, which led to incessant teasing. Answers in Sanskrit, Hindi, Marathi, Telugu, or Tamil are acceptable.
ANSWER: Upanayana [or munj; or janeu; or Jandhyam; or Poonulu; or yadugu]
[10] Many Telugu folks, unlike the Kandlikars, do the Upanayana shortly before this event, which culminates with several mantras ending in "Shubha-mangala-sava-dhan," exchange of garlands, and all-around throwing of rice.
ANSWER: wedding [accept getting married or nuptials or equivalents]
[10] With the Upanayana, Brahmans enter this phase of life in which they spend several years at an Ashram with a Guru, learning all the scriptures. Today this term is more commonly taken to mean the vow of celibacy that Brahmans take with the Upanayana, which doesn't amuse the promiscuous Telugu peoples.
ANSWER: Brahmachari [or Brahmacharya]