

Chicago Open 2014: A Redoubtable Coupling of Editors

Packet by A Monument to Compromise (Carsten Gehring, Foster Hughes, Kenneth Lan)

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

Tossups

1. This man failed to attack a city before it received reinforcements and supplies from Gabriel de Aviles, after which he was pursued and defeated by Agustín de Jáuregui. Despite being excommunicated, this man's followers were told to respect priests and to wear crosses on their hats in a decree by his wife, Micaela Bastidas. After a meal at the house of the priest Carlos Rodriguez, this man took Felipe Bermúdez and the *corregidor* of the Tinta district hostage at his home in Tungasuca. That *corregidor*, Antonio de Arriaga, was eventually executed by this *cacique*, beginning a revolt in which he won the Battle of Sangarará and attempted to abolish the *mita* system of forced labor. A Marxist group that took over a Japanese embassy in 1996 was named for this man, who claimed to be the great-great-great grandson of the final ruler of Vilcabamba. For 10 points, name this Peruvian leader of an indigenous revolt who took the name of the last ruler of the Inca.
ANSWER: **Tupac Amaru** II [or Jose Gabriel **Condorcanqui** Noguera; prompt on "Tupac" or "Amaru"]
2. The 61st verse of this text criticizes people who claim that a holy man is "an ear" or "only ears." This text states that people who hoard gold and silver will have their wealth heated by the fires of hell and branded on their bodies, but that believers will live forever in gardens with rivers flowing through them. This text claims that Jews believe God had a son named Uzair, whom scholars typically identify with either Azariah or Ezra. The vastness of the earth becomes too narrow for the losers of the Battle of Hunayn in this text, which forbids "postponement," or *nasi*, of the four sacred months. This text, which continually references events surrounding the Battle of Tabuk, includes a command to besiege, ambush, and otherwise seek to eliminate unbelievers in its controversial "Sword verse." This surah of the Quran is the only one that does not begin with "Bismillah." For 10 points, name this surah, the English-translated name of which references its declaration that idolaters must convert or die.
ANSWER: Surah at-**Tawbah** [or Surah **9**; or The **Repentance**; or Surah al-**Bara'ah**; or The **Ultimatum**; or The **Immunity**; or The **Dispensation**; prompt on "Quran"; do not accept or prompt on answers other than the ones listed]
3. A signaling pathway regulated by ATF6, PERK, and IRE1 is triggered when these structures are stressed. Thapsigargin specifically inhibits proteins in these structures, and one process that occurs in these structures is inhibited by tunicamycin. A protein system located within these structures is defunct in patients of Von Gierke's disease, and CHOP-induced apoptosis occurs when these structures experience UPR. The recognition of the N-X(S/T) [**"N-X-S-slash-T"**] sequon triggers another process in these structures, in which an oligosaccharide is transferred from dolichol to a peptide. Fatty acids are omega-oxidized in these organelles, in which the glucose 6-phosphatase system catalyzes the final steps of glycogenolysis and gluconeogenesis. The signal recognition particle pauses translation when it recognizes peptides bound for this organelle, which is the site of N-linked glycosylation. For 10 points, name this organelle into which nascent peptides enter from ribosomes.
ANSWER: **endoplasmic reticulum** [or **ER**; accept **smooth ER** or **rough ER**; accept **sarco-endoplasmic reticulum** or **sarcoplasmic ER**; or **sarcoplasmic reticulum**]

4. In an extended sequence, the protagonist of one of this author's novels checks into a hotel room and incessantly asks the proprietor to give the value of every piece of furniture in the room. Another novel by this author is interspersed with discussions of Paul Cézanne in its second section, "The Lesson of Mt. Sainte-Victoire." That novel by this author follows the geologist Valentin Sorger through the cities of America. As a playwright, this man wrote an "anti-play" in which actors repeatedly inform the title group that there is no plot to the play being performed. This author of *Slow Homecoming* and *Offending the Audience* wrote a novel in which the construction worker Bloch murders a woman named Gerda. That novel by this man was adapted into a film by Wim Wenders, for whom this man also wrote the screenplay for *Wings of Desire*. For 10 points, name this Austrian author of *The Goalie's Anxiety at the Penalty Kick*.

ANSWER: Peter Handke

5. A brouhaha over this policy included rioting in the wake of the Easter weekend arrest of Joseph Mercier at a bowling alley, and included a fiery speech whose speaker, Henri Bourassa, was pelted with eggs. A later conflict over this policy led to the resignations of Chubby Power and Arthur Cardin. Legislation championed by Robert Borden and his Minister of the Interior, Arthur Meighen, instituted this policy, which was opposed by so-called "Laurier Liberals." Later opposition to this policy led to the censorship, arrest, and internment of mayor Camillien Houde. The Tim Buck "Yes" Committees supported an affirmative vote in a 1942 plebiscite on this policy, which Canadians voted 65-35 to approve. Until the passage of Bill 80, this policy's implementation under the NRMA created so-called "zombies" who refused to be moved out of the country. Québécois opposition to this policy caused two "crises" in 1917 and 1944. For 10 points, name this policy of compulsory military service.

ANSWER: conscription [or military draft; accept Conscription Crisis [of 1917 or 1944]; or word forms]

6. Antoninus Liberalis relates that the subjects of the Mariandynian king Hierax neglected to sacrifice to this god, who then turned Hierax into a vengeful bird of slaughter. Pausanias states that inside the Erechtheion, the altar used to sacrifice to Erechtheus was also sacred to this figure. An aspect of this god called "the Securer" or *Asphalios* was worshipped by the Spartans. In Thessaly, this deity was called *Petraios* because he ejaculated semen onto a rock that then turned into a sacred animal. In other stories, he turned an entire Scherian ship to stone, and killed Locrian Ajax by splitting the rock he was standing on. A man who promised to sacrifice to this god the first living thing he saw upon returning home from the Trojan War was a Cretan king named Idomeneus. Before the battle of Issus, legend has it that Alexander the Great sacrificed to this god by drowning a chariot. For 10 points, name this Greek god who could be appeased by sacrificing a horse.

ANSWER: Poseidon

7. Two answers required. A collaborative work created by these two people and William Schuman was inspired by the story of Jocasta and includes a bed modeled after a woman's pelvis. Another collaboration between these two people produced two platforms perforated by climbable metal poles representing weeds. The collaboration between them, which produced *Night Journey* and *Embattled Garden*, began with the creation of a segment of a split-rail fence mounted on two A-frames for 1935's *Frontier*. Another collaboration between them produced a segment of a wall connected by bare two-by-fours resembling the frame of a house to a segment of a porch with two steps, on which sits a minimalist rocking chair. That work by these two people was installed at the Library of Congress for a 1944 performance that included Merce Cunningham as a preacher. For 10 points, name this choreographer and set designer who collaborated to produce Aaron Copland's *Appalachian Spring*.

ANSWER: Martha Graham and Isamu Noguchi

8. In a 1973 text, a philosopher argued that this theory produces the wrong “sort of considerations...into finding the answer” to problems posed by the examples of “Jim and the Indians” or “George and the arms manufacturers.” Another objection to this theory is that it allows “no rest.” In an adversarial collaboration with J.J.C. Smart, Bernard Williams stated that the day when people stop discussing this theory “cannot be too far off,” and advanced the “integrity objection” to it. The fact that, for a population of at least 10 billion, there could exist some larger population whose sum-total existence would be better even though individuals had lives barely worth living is a simple formulation of Derek Parfit’s counterexample to this theory dubbed the “repugnant conclusion.” For 10 points, name this ethical system under which a person facing the trolley problem should switch the track to kill one person instead of many, because that choice reduces total suffering.

ANSWER: utilitarianism [accept word forms; accept act utilitarianism or rule utilitarianism]

9. In one of this author’s memoirs, he describes how he clung to platform boards beneath a train to get to General Kelly’s Army. He then later commandeered a giant raft on the Des Moines River and named it *The Pirate*. Both of those incidents happened while he was travelling with Coxey’s Army, which is recounted in his memoir *The Road*. This writer built an estate called Beauty Ranch that is fictionalized in his novel about Billy and Saxon Roberts. This writer claimed that funny drinkers were the ones who could see blue mice and pink elephants in his alcohol memoir *John Barleycorn*. The title character of one of his novels insults Judge Blount and helps publish Russ Brissenden’s *Ephemera*. That character is a sailor-turned writer who becomes engaged to Ruth Morse. Another of this writer’s novels chronicles the rise of the Oligarchy in North America before the Brotherhood of man overthrows it. For 10 points, name this author of *Martin Eden* who also wrote the socialism novel *The Iron Heel*.

ANSWER: Jack London

10. The third step in an iterative method of analyzing this process consists of finding the center of a nine-dimensional hypersphere. This process is visualized in terms of rainwater flowing down the roof of a pagoda in an algorithm developed by Endo and Matsuishi. Another description of this process is the Birnbaum-Saunders probability distribution. When the spectrum of this process can be simplified to a series of blocks, the relative contribution of each block is given by the Palmgren-Miner rule. This process will not occur in the area beneath a Goodman line on a Haigh diagram. The time over which this process occurs can be increased through peening. This process, which leads to the formation of clamshell regions containing concentric beach marks, is characterized by either the Coffin-Manson equation or the S-N curve for a given material, depending on whether stress levels are high enough to cause plastic deformation. For 10 points, name this process of mechanical failure due to cyclic loading.

ANSWER: fatigue [prompt on “failure”; anti-prompt on “crack formation” or “crack growth” or similar answers]

11. One of these places is a memorial for Regilla, the wife of Herodes Atticus, and another was built along with a *tholos* in the Sanctuary of Asclepius by the architect Polykleitos the Younger. Xenophon argued in *Ways and Means* that merchants and shipowners should have preferential placement in the *proedria* of these places, which utilized devices called *aeorema* and *periaktoi*. According to legend, one of these places on Aegina was where Draco suffocated to death under a pile of hats and cloaks. Libanius described how the two *obols* needed to enter these places resulted in the establishment of the Theoric fund to subsidize the poor. Epidaurus contains a well-preserved example of these places, which typically contained: a *koilon* divided into an upper and lower *diazoma*; entrances called *parodoi* or *eisodoi*; and a *skene* for storage located behind the orchestra. For 10 points, name these ancient Greek structures where actors performed dramas.

ANSWER: Greek theaters [accept odeons or odea or odeum]

12. This artist included text from the Creation as part of the outer ring, and text from the Gospel of John as part of the inner ring, in his circular painting *The Vision of Ezekiel*. His depiction of the life of Christ includes a mockery scene in which a disembodied hand uses a stick to brutalize a blindfolded Jesus. He collaborated with Luca Signorelli and his own student Benozzo Gozzoli to paint frescoes depicting the Judgment Day, in a cathedral in Umbria. He created an altarpiece with nine predella panels depicting stories of Cosmas and Damian, whose central scene is a *sacra conversazione* that includes numerous saints standing on an Anatolian carpet behind a pax tablet depicting the crucifixion. He worked on the Orvieto Cathedral, and showed golden rays emanating from the hands of God hitting the Virgin Mary in one of his versions of the Annunciation, which takes place in an open building with blue pendentives. For 10 points, what painter of the San Marco altarpiece was also a 15th-century Catholic priest?
ANSWER: **Fra Angelico** [or **Guido di Petro**; accept Fra **Giovanni da Fiesole** or Brother **John of Fiesole** or Fra **Giovanni Angelico** or **Angelic Brother John** or *il Beato Angelico*]
13. In “Coming Across the Future,” Sadie Plant claims that this kind of being “has no history, but that of the human is rewritten as its past.” A work named for this type of being claims that it “is resolutely committed to partiality, irony, intimacy, and perversity” and that it “does not dream of community on the model of the organic family.” That work describes how the identity of these beings can be understood as equivalent to the identity “women of color.” A “manifesto” titled for these beings describes how they can overcome the limitations of feminism because of their hybrid nature and was written by Donna Haraway. Manfred Clynes and Nathan Kline coined the term for this type of being. They name the foundation of Neil Harbisson, who created an antenna that converts colors into sound. This kind of being also titles a 1972 Martin Caidin thriller that was made into the film *The Six Million Dollar Man*. For 10 points, name this type of being with both organic and mechatronic parts.
ANSWER: **cyborgs** [or **cybernetic organisms**; accept A **Cyborg Manifesto**]
14. This result can be proven by considering it as a corollary of Fagin’s theorem, which states that all properties of second order logic are tractably verifiable using a first-order formula. A reduction named for this result is used to prove the Valiant-Vazirani theorem, which further refines this statement. Using this result to prove the Karp-Lipton theorem shows that “AM equals MA” in the context of the Arthur-Merlin protocol. Proving this statement involves examining legal sets of windows in a tableau to show that there exists a polynomial time sequence of configurations that includes a language’s accept state. This statement implies that it is difficult to efficiently convert from conjunctive normal form to disjunctive normal form. As a result of this lemma, the clique and the knapsack problems are intractable, since those problems can be reduced to the problem for which this theorem applies. For 10 points, name this theorem stating that the Boolean satisfiability problem is NP-complete.
ANSWER: **Cook**-Levin theorem
15. After this speech, the *New York Times* claimed that it struck a “responsive chord” and noted that it lifted its speaker’s approval rating to 37%. This speech quoted Bill Clinton’s claim that its speaker was “just managing the government” before criticizing the cabinet with the line “there is not enough discipline among your disciples.” Patrick Caddell pitched the idea for this speech, which was largely authored by Hendrik Hertzberg as an honest response to the “presidential navel-gazing” that resulted from a ten-day retreat to Camp David, during which its speaker invited criticism. After this speech, the speaker accepted the resignations of James Schlesinger and Joseph Califano and broke a campaign promise by naming Hamilton Jordan chief of staff. It implored listeners to take no unnecessary trips and to use carpools to help resolve the energy crisis. For 10 points, name this 1979 speech in which the claim that the U.S. faced a “crisis of confidence” was advanced by Jimmy Carter.
ANSWER: “**Malaise**” speech [accept “**Crisis of Confidence**” speech before “crisis of confidence”]

16. A Hebrew translation of this text that was itself translated into Latin appeared in 1270 CE under the title *Directorum Humanae Vitae*. It was first translated into English by Sir Thomas North, who titled his version *The Morall Philosophie of Doni*. This text includes a story about four friends who are given quills by a magician that, when dropped, lead them to discover a huge amount of copper, silver, and gold. Another section of this text describes a conniving pack of crows who seek to completely annihilate some murderous owls. This text, whose title methods include advice on forging friendships and dealing with quarrels amongst friends, contains stories that overlap with some of the *Jataka* tales. This collection, which was attributed to Bidpai in early European editions, was probably written between the 12th century BCE and the 3rd century CE by Vishnu Sharma. For 10 points, name this collection of Sanskrit fables.

ANSWER: Panchatantra [or Five Principles; or Five Techniques]

17. Monica McAlpine argues that this literary character is bisexual because he is clean-shaven and is compared to a gelding and a mare. In the spurious story *The Tale of Beryn*, this character gives Kit some money, calling her his treasurer, but he refuses to stop fasting. This character owns the shoulder bone of a holy Jew's sheep and a glove that is supposedly able to multiply grain. In his last appearance, another character threatens to chop off this man's balls and enshrine them with a fat turd from a hog. He enchants his audience with a sermon in which Attila the Hun and King Demetrius of Parthia are used as examples of notorious gluttons. This man, whose ironic motto is "radix malorum est cupiditas," tells a story in which a conniving friend purchases rat poison and wine to kill his other friends, who are sleeping under an oak tree. His story focuses on three men that seek to kill death, only to have death kill them in their greed. For 10 points, name this Canterbury pilgrim who sells indulgences.

ANSWER: The Pardoner [accept The Pardoner's Tale]

18. In one work, this thinker argued that our genes, the culture in which we were born, and the self's impact on the mind are the three "veils of Maya" that separate our illusions from true reality. In another book, he outlined ten pairs of antithetical traits, such as naivety and wisdom or energy and quiescence, that characterize creativeness. This author, who proposed a "psychology for the third millennium" in his book *The Evolving Self*, wrote a book about "the psychology of discovery and invention" called *Creativity*. The ideas of this thinker were implemented by a team led by Kelee Santiago and Jenova Chen, who designed a video game in which a multi-segmented translucent organism devours other organisms with dynamic difficulty adjustment. That video game illustrates this man's concept of a state of optimal experiences that is achieved when skill level and challenge level are neither too low nor too high. For 10 points, name this Hungarian psychologist who proposed the concept of "flow."

ANSWER: Mihaly Csikszentmihalyi [CHEEK-sent-me-HY-ee] [be lenient with pronunciation but do not accept wrong answers with, e.g. the consonants in the wrong order]

19. Members of the *Aspergillus* genus catalyze this reaction on de-methyl-sterigmatocystin to produce aflatoxin. The anti-tubercular agent ethionamide is converted into its active form by an enzyme that catalyzes this reaction. Doering and Dorfman's early experiments ruled out the dioxirane intermediate hypothesized by the namesakes of this reaction. In its first step, the carbonyl oxygen is protonated, followed by a nucleophilic attack of the carbonyl carbon by the oxidizing agent. In the resulting tetrahedral intermediate, the more highly substituted carbon migrates toward the oxygen atom, leading to a carboxylic acid product in a mechanism that was described by Rudolf Criegee. A variant of this reaction in which aryl aldehydes are oxidized is named for Dakin. For 10 points, name this reaction in which a peroxy-acid, like mCPBA, is used to convert a ketone into an ester, an oxidation reaction named for two chemists, one Swiss and one German.

ANSWER: Baeyer-Villiger oxidation [or Baeyer-Villiger rearrangement]

20. One composer from this country wrote a motet combining the *Veni Sancte Spiritus* with the *Veni Creator*, as well as a very smooth three-part setting of “Quam pulchra es.” A sound preferring “sweet” thirds and sixths was known as this country’s “countenance” around 1400. One composer from this country wrote dances nicknamed “Christian IV” and “the frog.” Another composer from this country used the chords G minor–D major–F major, creating an F-sharp–F cross-relation between the superius and the bass, at the beginning of his “Ave Verum Corpus.” “Sumer Is Icumen In” was written in this country, the home of a man who used a lute song as the basis for his *Lachrimae*. Another composer from this country wrote a mass each for three, four, and five voices, and included several Pavans and Galliards in *My Lady Nevell’s Booke*. For 10 points, name this home country of John Dunstable, John Dowland, and William Byrd.

ANSWER: **England** [do not accept or prompt on “(Great) Britain” or “United Kingdom” or variants of either]

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Bonuses

1. This kingdom grew out of the annexation of Deira by Aethelfrith of Bernicia. For 10 points each:
[10] Name this kingdom of Great Britain, a member of the Heptarchy that was ruled in the 7th century by such men as Edwin and Oswald, who controlled its Bamburgh Castle.
ANSWER: **Northumbria**
[10] Bamburgh Castle was located near this island, which was given in 635 to St. Aidan, who established a monastery on it. The monastery on this island was raided in 793 by Vikings.
ANSWER: Holy Island of **Lindisfarne** [prompt on “Holy (Island)”]
[10] This man was the bishop at Lindisfarne during the Viking attack, after which Alcuin of York sent him a letter of condolence.
ANSWER: **Higbald**
2. The fact that many salts with this anion are soluble in water is a recent addition to the “solubility rules” that you may encounter in your intro chem class. For 10 points each:
[10] Name this carboxylate anion that is very soluble because its hydration energy is closer to that of chloride than fluoride, despite being a stronger base than fluoride. A trihydrate sodium salt of this anion is used in handwarmers.
ANSWER: **acetate** [or **CH₃COO** minus; or **C₂H₃O₂** minus]
[10] The solubility rule that takes the greatest precedence over all others is that the ammonium cation, along with this group of elements, will always be soluble in aqueous solution, even with the most insoluble counterions.
ANSWER: **alkali metals** [accept **Group 1** elements; prompt on partial answer]
[10] A governing factor for solubility is this quantity of the solution, which is equal to the product of the concentration of an ion times its charge squared summed over all ions. As this quantity approaches zero, the activities of the ions can be assumed to be equal to the ions’ concentrations.
ANSWER: ionic **strength**
3. A painting featuring this woman shows her in a red polka-dotted dress and advertises her performances on all evenings. For 10 points each:
[10] Name this dancer, whose French stage name means “the glutton.” She was a frequent partner of the acrobat Valentin the Boneless, and her can-can-filled shows at the Moulin Rouge were heavily advertised on large posters.
ANSWER: La **Goulue** [accept Louise **Weber**]
[10] The posters were created by this French post-impressionist, who showed Mary Milton photobombing a scene of Parisian socialites conversing around a table as La Goulue dances in the background in his *At the Moulin Rouge*.
ANSWER: Henri [Marie Raymond] de **Toulouse-Lautrec** [Monfa] [prompt on partial last name]
[10] In this Toulouse-Lautrec oil sketch set “at the Cirque Fernando,” a man in a tuxedo holds a whip with his back to the viewer as the title woman looks back at him from atop an animal.
ANSWER: **Equestrienne**: *At the Cirque Fernando*

4. At one point, this text repeats the word “screenplays” seven times and it notes that, “from William James to Voronoff,” the title idea is a “transfiguration of taboo into totem.” For 10 points each:

[10] Name this manifesto by Oswald de Andrade, which notes that only the title idea unites us. It contains the line, “Tupi or not tupi that is the question.”

ANSWER: “**Cannibal** Manifesto” [or Manifesto **Antropófago**; accept but do not reveal “**Brazilwood Manifesto**”; accept similar translations such as “**Cannibalist’s** Manifesto”]

[10] Oswald de Andrade is a writer who was part of this country’s Modernist Movement. It is the home country of Jorge Amado, who wrote *Gabriela, Clove and Cinnamon*.

ANSWER: Federative Republic of **Brazil** [or República Federativa do **Brasil**]

[10] In one work, this earlier author recalls meeting a cannibal from Brazil brought to him by Villegagnon, which leads him to conclude “each man calls barbarism whatever is not his own practice; for indeed it seems we have no other test of truth and reason than the pattern of the opinions and customs of the country we live in.”

ANSWER: Michel de **Montaigne**

5. According to Talmudic tradition, this gentile prophet was uniquely able to sense when Yahweh was in a state of wrath, and his followers possessed an evil eye. For 10 points each:

[10] Name this son of Beor who was hired by King Balak of Moab to curse the Israelites, but instead had words of praise literally forced into his mouth by Yahweh.

ANSWER: **Balaam** [or **Bil’am**]

[10] During Balaam’s encounter with an angel, he is riding this type of animal, which is given the ability to speak after Balaam is cruel to it.

ANSWER: **donkey** [or **ass**]

[10] Balaam appears in the Book of Numbers, which contains the first of four biblical references to these flying creatures, which God sent among the Israelites; God then instructed Moses to set atop a pole to create the *nehushtan* as a method of curing people of bite wounds caused by them.

ANSWER: **fiery serpents** [accept **fiery flying serpents**; accept any answer indicating **flaming snakes**; prompt on “snakes” or “serpents”]

6. Evidence of this phenomenon at mid-oceanic ridges confirmed the theory of seafloor spreading. For 10 points each:

[10] Name this process, recent examples of which include the Brunhes-Matuyama and Laschamp events. It divides the geologic time scale into periods known as chrons, and its historical distribution implies stochastic behavior.

ANSWER: **geomagnetic reversal** [accept equivalent descriptions like the **Earth’s magnetic field flipping poles**; prompt on partial answers]

[10] This term refers to a partial or total reversal of the Earth’s magnetic field that lasts only a few thousand years. The Laschamp and Pringle Falls events are considered examples of these happenings.

ANSWER: geomagnetic **excursion**

[10] This model, named for its two formulators, is the standard computer simulation used for studying geomagnetic reversals. It is a time-dependent numerical solution of the 3-D MHD equations describing a self-sustaining dynamo.

ANSWER: **Glatzmeier-Roberts** model [either order is fine]

7. This man is thought to have negotiated the Arusha Accords in bad faith, but got his comeuppance when his own Hutu extremists killed him to initiate the Rwandan genocide. For 10 points each:

[10] Name this Rwandan president who was shot down in his French-built plane on August 6, 1994 at the start of the genocide.

ANSWER: Juvénal **Habyarimana**

[10] The character of Colonel North in *Hotel Rwanda* is based primarily on this real-life Canadian commander of UNAMIR credited with saving 20,000 lives.

ANSWER: Lt. General Roméo [Antonius] **Dallaire**

[10] Once the genocide began, the Hutu-controlled RTLM encouraged the slaughter by broadcasting a message for Hutus to “cut down” these arboreal things, referencing the stature of the Tutsis.

ANSWER: “**tall trees**” [accept “**cut down the tall trees**”; prompt on “trees”]

8. Name the following things about the symphony in the 20th century, for 10 points each.

[10] This 20th-century composer wrote several symphonies, including the *Symphonies of Wind Instruments* and the *Symphony of Psalms*.

ANSWER: Igor [Fyodorovich] **Stravinsky**

[10] This composer began his only symphony, which is about ten minutes long and written for just nine instruments, with one French horn going up from A to F sharp, then down to a G two octaves below. His other works include the equally laconic Opus 27 *Piano Variations* and six Bagatelles for string quartet.

ANSWER: Anton **Webern**

[10] Elliott Carter’s unnumbered symphonies include one subtitled *Sum fluxae pretium spei* and one for this big ensemble, which is also called for in Karlheinz Stockhausen’s *Gruppen*.

ANSWER: **three orchestras** [accept word forms for “orchestra”]

9. The creator of this theory separated it from other theories of language with its emphasis on characterizing language first from the Saussurian paradigmatic axis, rather than the syntagmatic axis. For 10 points each:

[10] Name this theory of linguistics, which asserts that language is a multidimensional, social, semiotic network, and that user participation in a language operates on the basis of choice. It was developed by Michael Halliday.

ANSWER: **systemic functional** linguistics [or **systemic functional** grammar; or **systemic functionalism**; prompt on “SFL” or “functional(ism)”]; do not accept other, more specific types of functionalism]

[10] Halliday and his wife, Ruqaiya Hasan, wrote a book titled for cohesion in this language, whose “social stratification in New York” and dialects on Martha’s Vineyard were the subjects of studies by William Labov.

ANSWER: **English**

[10] The *Sound Pattern of English* is a phonological study by Noam Chomsky and this now-90-year-old Latvian-American linguist, who also authored a paper “On Accent and Juncture in English” with Chomsky and Fred Lukoff.

ANSWER: Morris **Halle** [accept Morris **Pinkowitz** or **Pinkovics**]

10. In one scene of Ian McEwan's *On Chesil Beach*, characters watch this play about the pregnant teenager Jo's struggle in a Manchester flat. For 10 points each:

[10] Name this play in which Jo's struggles accumulate when her alcoholic mother Helen moves in with her. Tony Richardson directed the original staging and film adaptation of this work of Shelagh Delaney.

ANSWER: A **Taste of Honey**

[10] *A Taste of Honey* is one of the principal works of this genre of gritty, realistic plays, often featuring angry young men, exemplified by *It Always Rains on Sunday* and *Look Back in Anger*. This genre is possible named for a painting by John Bratby.

ANSWER: **kitchen sink** realism

[10] Some critics extend kitchen sink realism to encompass the film version of this man's novel *Saturday Night and Sunday Morning*.

ANSWER: Alan **Sillitoe**

11. Answer the following about plurilingual Italian literature, for 10 points each.

[10] Luigi Capuana, who wrote the manifesto of this literary movement, and Giovanni Verga, its foremost exponent, were both fluent in Italian and Sicilian.

ANSWER: **verismo** [accept word forms; prompt on "realism" or word forms]

[10] A friar named Teofilo Folengo wrote the mock epic poem *Baldo*, in which the title knight causes the underworld to "beshit itself in fear." *Baldo* is written in this style of Renaissance verse, which uses invented languages and puns across real languages to be witty.

ANSWER: **macaronic** verse

[10] This Milanese author used plurilingual puns in his anti-bourgeois novel *The Madonna of the Philosophers*, as well as in his novel *That Awful Mess on the Via Merulana*.

ANSWER: Carlo **Gadda**

12. The first of these three treaties helped cause the fall of the Whig government in 1710, and Jonathan Swift published "Some Remarks on" it two years later. For 10 points each:

[10] Name these Anglo-Dutch treaties that were intended to allow the Dutch to build up and fortify its borders against a Bourbon neighbor.

ANSWER: **Barrier** Treaties

[10] Negotiations for the three Barrier Treaties occurred during and after this 1701 to 1714 war, which began after the death of Charles II and included the Battle of Malplaquet.

ANSWER: War of the **Spanish Succession**

[10] The first Barrier Treaty was negotiated by this man, who was nicknamed "Turnip" after he introduced to England the four-course rotation of wheat, turnips, barley, and clover. His grandson of the same name proposed the Revenue Act of 1767 while serving as Chancellor the Exchequer.

ANSWER: Charles **Townshend**, 2nd Viscount Townshend [accept **Turnip Townshend** or **Townshend Acts**]

13. Bacterial enzymes that produce these molecules have conserved motifs like the aspartate rich DDXX(D/E) ["D-D-X-X-D-slash-E"] motif and a triad that is occupied by N-S-E or D-T-E residues. For 10 points each:
 [10] Name this diverse group of molecules. Their bacterial synthases are usually characterized by incubating the enzymes with acyclic precursors to these molecules, such as farnesyl and geranyl diphosphate.
 ANSWER: terpenoids [accept isoprenoids]
 [10] Bacterial cell walls are made of this stuff, which consists of alternating chains of N-acetyl-glucosamine and N-acetyl-muramic acid.
 ANSWER: peptidoglycan
 [10] Antibiotics such as vancomycin inhibit bacterial growth by binding to a dipeptide of this amino acid that grows at the C-terminus of the peptidoglycan. That dipeptide of this amino acid uses the unusual D stereoisomer of this amino acid.
 ANSWER: D-alanine [accept D-Ala; or D-A]
14. The separation of heaven and earth is achieved when the body of this goddess is split by Marduk. For 10 points each:
 [10] Name this primeval water serpent of Babylonian mythology.
 ANSWER: Tiamat
 [10] This Sumerian god is sometimes said to have been born from a heavenly mother dragon. Before his apotheosis, he was a shepherd who was murdered by an angry mob while residing in his pasture.
 ANSWER: Dumuzi [or Dumuzid]
 [10] This Babylonian water dragon wants to eat Ishtar. Unfortunately for him, Ishtar descends and turns his lake into a sleeping potion, causing him to die. This Hurrian figure is the older brother of Ullikummi.
 ANSWER: Hedammu
15. This man wrote a book that traces to the exact date in Sils-Maria in August 1881, when the title thinker first conceived of the title concept. For 10 points each:
 [10] Name this author of *Nietzsche and the Vicious Circle* who authored the experimental novel *The Baphomet* and was the brother of the painter Balthus.
 ANSWER: Pierre Klossowski [prompt on "Klossowski"]
 [10] Pierre Klossowski wrote a book calling this man "my neighbor." Simone de Beauvoir asked "must we burn" this man, whose novel *120 Days of Sodom* was introduced in a new edition by Klossowski in 1964.
 ANSWER: Marquis de Sade [accept Sade My Neighbor or Must We Burn Sade?]
 [10] Much of Klossowski's scholarship of Nietzsche was influenced by this man, who posited the idea of the "limit-experience" in a work titled for the portion of wealth condemned to irrevocable loss without returns, *The Accursed Share*.
 ANSWER: Georges [Albert Maurice Victor] Bataille
16. This person was one of the first Caucasian women to cross the U.S. overland to Oregon. For 10 points each:
 [10] Name this subject of a Julie Roy Jeffrey biography, who was killed with her husband Marcus and several others when hostile Cayuse Indians attacked the mission they founded at Waiilatpu in 1847.
 ANSWER: Narcissa [Prentiss] Whitman [accept either underlined name]
 [10] The Cayuse Indians who committed the attack had, by the 1830s, lost their own language, and instead spoke the language of this larger neighboring tribe, whose leaders in the late 1800s included Looking Glass and Ollokot.
 ANSWER: Nez Perce [or Niimiipu]
 [10] At the surrender of the last major independent Nez Perce band in 1877, Chief Joseph gave an oration popularly known by the English translation of these last six words of the speech.
 ANSWER: "I will fight no more forever" [accept reasonable translations]

17. This system was first used at a 1983 production by the company of Lotfi Mansouri, who placed a video screen above the proscenium. For 10 points each:
[10] Name this system used to keep operatic audiences aware of what the lyrics mean.
ANSWER: surtitles [or supertitles; do not accept or prompt on “subtitles”]
[10] The first use of surtitles occurred during a performance of this Richard Strauss opera, whose title character is the daughter of Klytaemnestra and the sister of Orest.
ANSWER: Elektra
[10] This music director of the Met said of surtitles, “Over my dead body will they show those things at this house,” but he was mollified by Met Titles, which have individual display screens on the back of the seats. He has led more than 2,000 performances at the Met since 1971.
ANSWER: James [Lawrence] Levine
18. Archie McPhee made an action figure of this person that featured “amazing push-button shushing action.” For 10 points each:
[10] Name this librarian who published a series of suggested-reading lists in 2003 called *Book Lust: Recommended Reading for Every Mood, Moment, and Reason*.
ANSWER: Nancy Pearl
[10] Pearl came to fame while working in the library system of this city, whose central library was designed by Rem Koolhaas to feature a “mixing chamber” and a “living room.”
ANSWER: Seattle, Washington
[10] In 2012, Pearl agreed to work with this publisher on the *Book Lust Rediscoveries* program, which publishes six out-of-print books a year. This publisher’s imprints include Thomas & Mercer for crime fiction, 47North for sci-fi, and its “Encore” imprint for out-of-print or self-published titles.
ANSWER: Amazon Publishing [accept Amazon.com Inc. or AmazonEncore]
19. These materials transmit information as a series of modulated light pulses. For 10 points each:
[10] Name these materials often used in long-distance telecommunications. They are classified as step-index or grade-index depending on whether the refractive index decreases abruptly or gradually from core to cladding.
ANSWER: optical fibers [accept fiber optics]
[10] For an optical fiber, this parameter is defined as the square root of core refractive index squared minus cladding refractive index squared. As its value increases, the acceptance angle increases but so does the amount of intermodal dispersion.
ANSWER: numerical aperture [accept NA]
[10] These structures guide light via diffraction instead of total internal reflection. They exhibit periodic variation in dielectric constant and contain band gaps of forbidden wavelengths.
ANSWER: photonic crystals
20. This critic argued that portions of *Paradise Lost* were written deliberately poorly to make Satan’s rhetoric appear more political in his book *Surprised by Sin*. For 10 points each:
[10] Name this author who argued that literature is a temporal existence for the reader because the reader brings an informed context to any work that he is perusing in his seminal *Is There a Text in This Class?*
ANSWER: Stanley [Eugene] Fish
[10] Fish titled his survey of 17th-century literature for this type of artifact, which, having converted its audience to a different artistic viewpoint, is no longer necessary.
ANSWER: self-consuming artifacts [accept word forms like self-consumed]
[10] Along with this other major literary critic, Fish is considered one of the main opponents of New Criticism. This man wrote *The Anxiety of Influence* and *The Western Canon*.
ANSWER: Harold Bloom