

**Chicago Open 2013: No Subtext, Just Tacos.**

**Packet by Bring Me the Head of Esteban Cordoba (Mike Bentley, Billy Beyer, Ankit Aggarwal, Brendan Byrne)**

**Edited by Matt Bollinger, Libo Zeng, Sriram Pendyala, Dennis Loo, Sinan Ulusoy, and Kevin Koai, with invaluable contributions by Matt Jackson**

1. This book was criticized for misrepresenting Euripides' *The Bacchae* and conflating Jacob Burckhardt with John Lewis Burckhardt in *Dangerous Knowledge*, a 2006 book by Robert Irwin. One section of this work examines the *Tableau historique* of Silvestre de Sacy. In a section on the "Structures and Restructures" of the title concept, the author labels Edward William Lane as the rare writer "who consider his residence a form of scientific investigation" in contrast to Gerard de Nerval and (\*) Richard Francis Burton. The final section of this text criticizes a definition of "thawra" as "revolution" for promoting a "defeatist" ideology as part of an attack on Bernard Lewis. For 10 points, name this text arguing that Europeans view the Middle East as "the Other," written by Edward Said.

ANSWER: **Orientalism**

2. Members of this sect have to agree to Ten Conditions in an initiation ceremony called *bai'at*. The Qadiani Jamaat branch of this sect is active in the United States, and its first missionary, Mufti Muhammad Sadiq, started the publication *Muslim Sunrise*. The Jalsa Salana is the annual gathering of members of this sect. The founder of this sect gave a lecture in Sialkot claiming that (\*) Krishna was a prophet of God that had been corrupted over time into an avatar. It also believes that Jesus survived his crucifixion and preached in Kashmir. Adherents call the founder of this movement al-Masih because they believe him to be the 13th Mujaddid, who received a divine revelation from Allah revealing him as the Mahdi. For 10 points, name this oft-persecuted Islamist sect, founded by Hazrat Mirza Ghulam, with a major presence in Pakistan.

ANSWER: **Ahmaddiya** [or **Ahmadis**; or the **Ahmadiyya Muslim Community**]

3. Twelve East Indians were killed in the 1924 Ruimveldt Riots in this country. Robert Hermann Schomburgk mapped out the contentious border of the North West Territory in this country, one of whose chief cities was for a time known as Stabroek. This modern day country was formed from the colonies of Demerara, Berbice and Essequibo. One ruler of this country broke with Cheddi Jagan and subsequent nationalized bauxite mines after allying with the Soviet Union. California Congressman (\*) Leo Ryan and his entourage were murdered while visiting this country on the urging of the Concerned Relatives. Forbes Burnham ruled this country in 1978 when 913 members of the Peoples Temple were killed at Jonestown in this country. For 10 points, name this South American country, the only to have English as an official language.

ANSWER: British **Guyana**

4. An R.M. Hare essay about these beings asks what would happen in a locale called Juba if the outcome of the Battle of Waterloo were reversed. A game named for one of these beings precedes a stupidly-mathy description of baseball in David Lewis's paper "Scorekeeping in a Language-Game," and illustrates Lewis's concept of "permissibility." These people can replace an "alien negative moment" by positing themselves as negative, and have the "truth of pure negativity" inherent in them, according to A. V. Miller's translation of (\*) Hegel. Chapter IV of Rousseau's *The Social Contract* attacks Grotius's views on becoming this type of person by "right." At the Valladolid debate, Gines de Sepulveda argued for the "natural" type of these people in the New World, citing Aristotle's belief that a functioning *oikos* must contain their "natural" type. For 10 points, name this type of person who works for an owner.

ANSWER: human **slaves** [or **slavery**; or **bondsmen**; accept **slave game**; prompt on **humans**, etc.; prompt on self-**consciousnesses** or dependent self-**consciousnesses**]

5. The speaker of this poem predicts that a future observer will praise his eyes, that "made such mirrors, and such spies, that they did all to you epitomize." It argues that "soldiers find wars, and lawyers find out still litigious men" regardless of the speaker. This poem's claim that "the phoenix riddle hath more wit by us" was explained in "The Language of Paradox," an essay that closely examines it. This poem's speaker promises that if his legend is "unfit for tombs," he'll "build in (\*) sonnets pretty rooms," and tells an addressee to

contemplate “the king’s real, or his stamped face” rather than interrupt him. Cleanth Brooks took the title of *The Well-Wrought Urn* from this poem, which begins with the line, “For God’s sake hold your tongue, and let me love.” For 10 points, name this John Donne poem titled after a process necessary for sainthood.

ANSWER: “The Canonization”

6. In this organism, an olfactory receptor that detects diacetyl is encoded by the *odr-10* gene. This organism navigates using movements dubbed “pirouettes” and “omega turns.” Some mutants of this organism, such as *pkd-2* and *klp-6*, have genetic defects affecting the location of their vulva. This organism contains a protein that is similar to interleukin-1 beta converting enzyme and is necessary for apoptosis. That protein is encoded for by the (\*) *ced-3* gene. This organism contains a microRNA that accumulates at its L2 stage called *lin-4*, whose overexpression during unfavorable environmental conditions can cause this organism’s larvae to enter into the dauer stage. Other mutant phenotypes of this organism include uncoordinated and dumpy. One process discovered using this model organism involves gene silencing by double-stranded RNA that binds to the Dicer protein complex. It was the first animal to have its genome sequenced. For 10 points, name this nematode that Andrew Fire and Craig Mello used to discover RNA interference.

ANSWER: Caenorhabditis elegans

7. An artist's guild in this place was founded by Augusta Savage, Elba Lightfoot and Charles Alston. In one painting set in this location, a boy in the lower-left of the campus rests against a silver fire hydrant while a crowd of finely dressed people converse on steps. Palmer Hayden painted a “Midsummer Night” at this location, while Abstract Expressionist (\*) Norman Lewis used vertical lines to represent this place's “Courtyard”. *Noah's Ark* painter Aaron Douglas taught at a Community Art Center in this location in the 1930s. A group called the Spiral was founded by Romare Bearden in this location, where Jacob Lawrence studied his art. For 10 points, name this neighborhood that lends its name to a “Renaissance” of African-American art and literature.

ANSWER: Harlem [prompt on New York; prompt on Manhattan]

8. Act One of this opera ends with one character being forced to curse himself with the words, “Sia maledetto”, which he later monologues about in the aria, “Me stresso ho maledetto.” A chorus of men chants “miserere” as another character addresses his dead daughter in an aria from this opera’s prologue, “Il lacerato spirito.” After its disappointing premiere, the composer of this opera revised its first act to conclude with the (\*) Council Chamber scene. The title character of this work is convinced to run for office for the sake of his love Maria, whose disapproving father is the patrician Fiesco. The title character of this opera designates Gabriele as his successor after Paolo poisons his water, having earlier discovered that Gabriele’s lover Amelia was his long-lost daughter. For 10 points, name this Verdi opera about the title Doge of Genoa.

ANSWER: Simon Boccanegra

9. This property can be induced by spiral spin ordering in magnetically frustrated materials. The eponymous Burns temperature along with nanoclusters and a neutral matrix are seen in the relaxor type of materials with this property. Materials with this property are often classified as either hydrogen-bonded or double oxides. The sensitivity of this property to strain is explained by Landau-Devonshire theory for (\*) poled bulk materials. The hysteresis associated with this property can be measured via a Sawyer-Tower circuit. Non-volatile RAM named after this can be made with a thin film of PZT, or lead zirconate titanate, a perovskite with this property. All materials with this property are both piezoelectric and pyroelectric, and the first discovered material with this property was Rochelle salt. For 10 points, name this property not seen above the Curie point and possessed by materials whose electric polarization is reversed by an electric field.

ANSWER: ferroelectricity [or ferroelectric; prompt on either “piezoelectricity” or “pyroelectricity”; Editor’s

Note: It’s named after ferromagnetism]

10. Eric Knibbs debunked the historical accuracy of the *Vita Anskarii*, a hagiography of this city’s first archbishop, Ansgar. In *Among the Dead Cities*, A. C. Grayling examined how, in Operation Gomorrah, the RAF pioneered area bombing against this city. Albert Ballin founded a company named for this city and America, at one point the largest shipping company in the world. Its al-Quds Mosque was the meeting place for a cell named for this city led by (\*) 9/11 ringleader Mohamed Atta. Several officials from the Ravensbruck concentration camp were tried in this city following World War II. It was the second city to Lubeck in the Hanseatic League. This city’s nightclub district, the Reeperbahn, benefited from a direct connection with Liverpool musicians like The Beatles. For 10 points, name this second-most populous German city, a port on the Elbe River.

ANSWER: The Free and Hanseatic City of Hamburg

11. In one play, clever wordplay juxtaposes this man's name with the image of a "Cerberus-hound." Another play begins by promising not to "make mincemeat" of this man, but nonetheless represents him in a dream sequence as a whale who weighs beef fat on a pair of scales in front of a flock of sheep and sits next to a man with a crow's head. A father and son pair with names meaning this man's "lover" and "hater," respectively, appear in that play, in which a (\*) dog resembling this man accuses a different dog of stealing cheese. In the major work in which he appears, this character is the owner of a tanning factory; he is succeeded in his role as servant of Demos by Agoracritus, who subsequently forces this man to become the Sausage-Seller. For 10 points, name this bellicose Athenian politician satirized in *The Wasps* and *The Knights* by Aristophanes.

ANSWER: Cleon [or Cleon the Tanner; or Cleon the Paphlagonian]

12. The Bates-Guggenheim convention provides a conventional method to find standard pH values based on this equation. The Bronsted-Bjerrum equation in kinetics is derived from the assumptions of this model. An empirically-based modification to this equation that involves a linear term with slope -0.15 is called the Davies equation. The derivation of this equation starts from the Poisson-Boltzmann equation, which is Taylor-expanded and successively truncated. For solutions with concentrations greater than (\*) 0.1 molar, the Pitzer equations are used instead of this equation. In the derivation of this equation, effects from electrostriction are ignored, and individual ions surrounding a central ion are represented by a statistically-averaged cloud of constant charge density with a minimum distance of closest approach. For 10 points, name this doubly-eponymous equation which models deviation from ideality in aqueous salts solutions and is used to find activity coefficients of ionic solutions.

ANSWER: Debye-Huckel equation [accept: Debye-Huckel limiting law/theory]

13. The male protagonist one of this author's novels begins to menstruate because he envies women's periods, horrifying his uncle Hilaal. In this man's first novel, Ebla takes Tiffo as her second husband after seeing a picture of her first husband embracing an Italian woman on the beach. This author wrote a novel with first, second, and third-person narrators that focuses on (\*) Askar's relationship with his adoptive mother Misra. This author of *From a Crooked Rib* wrote *Gifts* and *Secrets*, two portions of his *Blood in the Sun* trilogy, as well as *Variations on a Theme of an African Dictatorship*, which attacks the Siad Barre regime. For 10 points, name this author of *Maps*, a Somali novelist.

ANSWER: Nuruddin Farah

14. One composer from this country completed two parts of a projected thirteen-work cycle based on Hermann Broch's *The Death of Virgil*. One man from this country, which is not the Czech Republic, abandoned his opera *Roussalka* upon being diagnosed with neurasthenia. A Baroque music ensemble led by William Christie takes its name from an opera by another composer from here, and this country names the augmented sixth chord that contains the unaltered second scale degree. One composer from this country used "non-retrogradable" rhythms in the first and sixth movements of his best-known chamber work. That composer also theorized seven (\*) "modes of limited transposition" in his book *The Technique of My Musical Language* and include statue, flower, and love themes in an orchestral work that prominently features the ondes Martenot. Another work by that composer from here contains the "Abyss of the Birds" movement and was composed in a prisoner-of-war camp. For 10 points, name this country, the birthplace of the composer of the *Turangalila-Symphonie* and the *Quartet for the End of Time*.

ANSWER: France

15. In a short story by this author, Mother Rigby creates a living scarecrow that falls apart after it looks in the mirror and sees its "real composition." The antagonist of another of his stories claims that Tophet is the "crater of a half-extinct volcano" and that a supposed door to hell leads to a cavern used to smoke ham. A third story by this writer concerns an "Outcast of the Universe" who leaves his (\*) wife and lives in a house across the street for twenty years for no apparent reason. This author of "Feathertop" and "Wakefield" was the dedicatee of *Moby Dick*, and he described a dream-journey through the terrain described in John Bunyan's *Pilgrim's*

*Progress* in “The Celestial Railroad.” For 10 points, name this American author of the short story “Young Goodman Brown” and the novel *The Scarlet Letter*.

ANSWER: Nathaniel Hawthorne

16. Michael D'Antonio wrote a 2007 biography of this man's "Extraordinary Life of Wealth, Empire and Utopian Dreams." This man established a model community after visiting a similar commune in England called Bournville. He was well served by his executives William Murrie and Harry Lebkicher, and his namesake preparatory school has eight times the endowment of Phillips Exeter Academy. This man built an all-electric railroad between Matanzas and Havana to supply his namesake company town and (\*) sugar mill in Cuba. This man's namesake process made his products less sensitive to poor milk quality, and he was a rival of Forrest Mars. This man's company provided Ration D Bars to soldiers during World War II. For 10 points, name this founder of a namesake Pennsylvania chocolate company.

ANSWER: Milton Snavely Hershey

17. In a folktale collected in the *Decameron*, Friar Cipolla tries to scam a crowd by passing one of these objects off as a relic, but finds it has been replaced in its box by some charcoal. In Algonquin myth, Glooskap lies that one of these objects is the only thing that can harm him in a bid to defeat his brother Malsun. In the *Popol Vuh*, the Hero Twins survive the Dark House by using these things to imitate the flame of a torch. Prince (\*) Ivan brought one of these things to his father after failing to catch the figure stealing his golden apples. An apocryphal story about Diogenes arose after Plato defined man as a biped that lacked these things. In Norse myth, Freya's cloak is made of these objects, a ball of which impregnates Coatlicue with Huitzilopochtli. For 10 points, name the kind of object that represents the goddess Ma'at and is weighed against a human soul in Egyptian mythology.

ANSWER: a feather [or a bit of charcoal until it is read; or an angel's feather; or an owl's feather; or a falcon's feather; or a Firebird feather]

18. In the 1890s, this island's economy took off due to the Mount Lyell copper mine. A campaign to stop a hydroelectric dam near Lake Pedder on this island inspired one of the first Green Parties in the world. A preface to H. G. Wells' *The War of the Worlds* indicates that it was inspired by genocide on this island. An eccentric art museum on this island contains a wall of 151 sculptures of vaginas, as well as Wim Delvoye's *Cloaca Professional*, which excretes feces every day. That museum was founded by David Walsh and is called the (\*) Museum of Old and New Art. In 1996, Martin Bryant killed 35 people on this island. The South Esk and Derwent are the two chief rivers on this island, which was the site of the horrifically genocidal Black War. It is separated from Victoria by the Bass Strait. For 10 points, name this island off the Australian coast.

ANSWER: Tasmania [or Van Diemen's Land]

19. Michael Makovsky wrote of how Zionism influenced this man in a biography titled for this man's "Promised Land." Some of this man's letters were edited by his last surviving daughter, Mary Soames. Christopher Catherwood and Anthony Rogers both wrote books about this man's "Folly"—namely, his role in creating the state of Iraq. Madhusree Mukerjee attacked this man's "Secret War," his failure to alleviate the (\*) Bengali Famine. Nicholson Baker attacked this man for engaging in an "Unnecessary War" and destroying his country's empire. He wrote of his time in the Second Boer War in *Ian Hamilton's March* and wrote volumes like *Triumph and Tragedy* and *The Gathering Storm* for his history of World War II. For 10 points, name this Nobel-prize winning historian of *A History of the English-Speaking Peoples*.

ANSWER: Sir Winston Leonard Spencer-Churchill

20. This object has the strongest absorption bands from methane ice in the solar system. This oblate Maclaurin spheroid has a very low photometric amplitude and a geometric albedo of 0.77, which is used to predict its 40 Kelvin surface temperature. Jose Luis Ortiz observed a stellar occultation by this red object in April 2011, which led to the discovery that it lacks a significant atmosphere. This object, formerly codenamed “Easterbunny,” is the second-brightest Kuiper belt object and is slightly larger than (\*) Haumea. It has no known satellites and orbits at a distance of about 38.5 to 53 AU from the Sun. Discovered by Michael Brown in March 2005, this body is smaller than both Pluto and Eris, its fellow trans-Neptunian objects. For 10 points, identify this dwarf planet named for the creator god of the Rapa Nui people.

ANSWER: Makemake

21. **This ruler deployed Peter the Illustrious to Egypt as part of a series of pre-emptive campaigns. Sophronius of Jerusalem was forced to surrender the Holy Land to the Arabs after this ruler refused to lend assistance. Following the refusal of the Monophysites to adhere to the Council of Chalcedon's dictates, this ruler attempted to reconcile with them through the (\*) Monothelite Ekthesis, which was co-written with the Patriarch Sergius but opposed by Maximus the Confessor. Jacobus de Voragine's hagiography *The Golden Legend* documents this ruler's recovery of a piece of the True Cross. Together with his father of the same name, he overthrew the usurper of Maurice, Phocas, and installed himself ruler in 608. For 10 points, name this Byzantine emperor who ruled during the ascendancy of Islam in the 7th century and promoted Greek over Latin in courtly life.**  
ANSWER: **Heraclius**

1. D.H. Lawrence translated this 1889 novel into English. For 10 points each:

[10] Name this novel set in Sicily about a peasant married to Bianca Trao.

ANSWER: Mastro-don Gesualdo [accept Sir-Workman Gesualdo or equivalents with any synonym of “workman”]

[10] *Mastro-don Gesualdo* was written in this realistic literary genre by Giovanni Verga. This Italian term also denotes the genre of *Cavalleria Rusticana*, an opera based on Verga’s work.

ANSWER: verismo

[10] In Giovanni Verga’s *The House by the Medlar Tree*, the Toscano family sells one of these objects to get back the title residence. Mr. Lethierry hires Gilliat after losing one of these objects in a Victor Hugo novel.

ANSWER: a boat [or a ship; or a fishing boat; or a steam ship]

2. This man plagiarized from Gemma Galgani, an earlier woman who had received the stigmata, but was eventually canonized by Pope John Paul II. For 10 points each:

[10] Identify this stigmata-afflicted saint from San Giovanni Rotondo whose miracles included flying into the air to stop a bombing raid on Southern Italy.

ANSWER: Padre Pio

[10] Padre Pio’s namesake hospital received twice as much funds from this program as the entire Red Cross budget in Italy. It was the brainchild of Harry S. Truman’s Secretary of State.

ANSWER: Marshall Plan [or European Recovery Program or ERP]

[10] This architect designed the Padre Pio Pilgrimage Church. He also designed the NEMO Science Museum in Amsterdam and Sydney’s Aurora Place.

ANSWER: Renzo Piano

3. Name some things about cosmic inflation, for 10 points each:

[10] Cosmic inflation solved this problem of why omega, the ratio of average density of the universe to critical density of the universe, has a value near one.

ANSWER: flatness problem

[10] This approximation used in inflationary theory has inflation occur when the expansion of the universe is slow compared to the evolution of a scalar field in a potential energy hill.

ANSWER: slow-roll approximation

[10] The fundamental idea behind this alternative to inflation is that two three-dimensional worlds collided in a space with a fourth spatial dimension, a process that repeats every trillion years or so. It was proposed by Paul Steinhardt and Neil Turok.

ANSWER: ekpyrosis [or ekpyrotic]

4. This writer’s best-known play begins when Breughel’s *Dulle Griet*, Pope Joan, and other renowned women all show up for a party held by Marlene, who gave up her daughter to work at the title agency. For 10 points each:

[10] Name this contemporary British feminist, a playwright who wrote *Vinegar Tom*, *Serious Money*, and *Top Girls*.

ANSWER: Caryl Churchill

[10] Victoria, Lin, Edward, Martin, and the ghost of Bill drunkenly try to have an orgy in a park in this comedy by Caryl Churchill, which suddenly jumps 100 years through time from a British colony in Africa to modern London.

ANSWER: Cloud Nine

[10] The last woman to arrive at Marlene’s party in *Top Girls* is this woman, the heroine of Chaucer’s “Clerk’s Tale,” whose husband Gualtieri pretends to divorce her and murder her children as a test of her patience.

ANSWER: The Patient Griselda

5. Identify the following about some World War II-era Supreme Court cases, for 10 points each.

[10] This case centered on a Japanese-American man who changed his name and had facial surgery to make him look more Mexican to avoid being sent to an internment camp. Despite claiming that racially targeted laws should be given “the most rigid scrutiny”, Hugo Black upheld Executive Order 9066 in this case.

ANSWER: Fred Korematsu v. *United States* [accept in either order]

[10] Frank Murphy, who dissented in *Korematsu*, outlined this doctrine in *Chaplinsky v. New Hampshire*. It holds that essentially hateful speech is not protected under the First Amendment.

ANSWER: fighting words doctrine

[10] Felix Frankfurter called this 1942 case “not a happy precedent”. It upheld an order that established a military commission for German spies involved in Operation Pastorius.

ANSWER: *Ex parte Quirin* [or *Ex parte Richard Quirin*; *Ex parte Herbert Hans Haupt*; *Ex parte Edward John Kerling*; *Ex parte Ernest Peter Burger*; *Ex parte Heinrich Harm Heinck*; *Ex parte Werner Thiel*; *Ex parte Hermann Otto Neubauer*; *United States ex rel. Quirin v. Cox, Brig. Gen., U.S.A., Provost Marshal of the Military District of Washington, and 6 other cases*]

6. Two alternate names for this city are Diobu and Iguocha. For 10 points each:

[10] Name this city located in the Rivers State of a West African country, an important Nigerian oil hub named after a British man nicknamed Loulou.

ANSWER: Port Harcourt

[10] Port Harcourt is located on this body of water that is a subregion of the Atlantic Ocean. It is named after a West African country that has its capital at Conakry.

ANSWER: Gulf of Guinea

[10] The Gabonese city of Port Gentil is located on this cape on the southern end of the Gulf of Guinea. This cape also has a namesake 1722 battle as well as a namesake fish.

ANSWER: Cape Lopez

7. This author of *Hegel’s Phenomenology: Dialogues on the Life of the Mind* discussed aesthetics in *Dialogues from Delphi* and titled his autobiography *Thrice-born*. For 10 points each:

[10] Name this Latvian-born philosopher and former professor at UC Berkeley.

ANSWER: Jacob Loewenberg

[10] Loewenberg helped edit this 19<sup>th</sup>-century American philosopher’s *Lectures on Modern Idealism*. This thinker’s “philosophy of loyalty” extols the possibility of an ideal-based Beloved Community.

ANSWER: Josiah Royce

[10] Josiah Royce wrote a book about the “problem” of this belief system, which influenced the existentialism of Soren Kierkegaard. Tertullian helped establish this faith’s early philosophical tradition.

ANSWER: Christianity [or Catholicism; prompt on religion]

8. The narrator’s uncle, Bhakcu, likes to beat his wife with a cricket bat in this work. For 10 points each:

[10] Name this collection of stories about characters like the poet B. Wordsworth, Mr. Popo, and Bogart, the last of whom is arrested for bigamy.

ANSWER: Miguel Street

[10] *Miguel Street* is by this Trinidadian author of *In a Free State* and *A Bend in the River*

ANSWER: V. S. Naipaul

[10] The protagonist of V.S. Naipaul’s *Half a Life*, surnamed Chandran, takes his first two names from this Englishman, who popularized the story of Chandran’s brahmin father’s vow of silence.

ANSWER: William Somerset Maugham

9. He described the hanging of a spy for Bernard-Rene de Launay, the governor of the Bastille, in his pamphlet, "The Streetlamp's Address to the Parisians". For 10 points each:

[10] Name this schoolmate of Robespierre. This Dantonist argued for more moderate tactics in his paper *Le Vieux Cordelier* before he was executed during the Terror.

ANSWER: Camille **Desmoulins** [or Lucie-Simplice-Camille-Benoist **Desmoulins**]

[10] Desmoulins' fellow Dantonist, Fabre d'Églantine, was executed when news broke that d'Églantine had liquidated his shares in this company. This company reached its zenith under the leadership of Joseph-Francois Dupleix in the 1740s.

ANSWER: **French East India Company** [or **Compagnie française pour le commerce des Indes orientales** or **Compagnie Française des Indes** or **French Company of the Indies**; prompt on partial answer]

[10] Camille Desmoulins was the subject of Hilary Mantel's *A Place of Greater Safety*. Mantel may be better known for her Booker Prize-winning novels *Wolf Hall* and *Bring Up the Bodies*, set during the reign of this English king served by Cardinal Wolsey.

ANSWER: **Henry VIII**

10. Solutions like low ionic strength saline can be used in this technique to enhance the agglutination signal, for 10 points each:

[10] Name this test whose indirect form looks for IgG and IgM antibodies against red blood cells. It can be used to detect hemolytic anemia.

ANSWER: indirect **Coombs** test [or indirect **antiglobulin** test]

[10] The Coombs test can be used to diagnose this condition in which antibodies from an Rh-negative mother cross the placenta and attack fetal red blood cells. It can be prevented by RhoGAM injection.

ANSWER: **erythroblastosis fetalis** [or **Hemolytic Disease** of the **Newborn**, or **Hemolytic Disease** of the **Fetus** and **Newborn**, prompt on "Rhesus disease" or "Rh disease"]

[10] If erythroblastosis fetalis is diagnosed, either a type-and-screen or this procedure must be performed prior to blood transfusion to check for compatibility of donor and recipient blood. In this technique, a sample of the donor's blood is mixed directly with the patient's to observe for cross-reactivity.

ANSWER: **cross-matching**

11. This man collaborated with Pablo Picasso on a drawing he called an "exquisite corpse", and he developed a persona called Papoose, a housecat. For 10 points each:

[10] Name this cartoonist, best known for an image in which China, Japan and Russia can be seen across the Pacific Ocean, dwarfed by the size of 9<sup>th</sup> and 10<sup>th</sup> Avenues.

ANSWER: Saul **Steinberg**

[10] The aforementioned Steinberg cartoon, "View of the World from 9th Avenue" appeared on the cover of this magazine. It frequently features Eustace Tilley on its cover.

ANSWER: *The* **New Yorker**

[10] Steinberg's works were exhibited in the 1946 Fourteen Americans exhibit at the MoMA alongside those of this sculptor. This student of Uno Jinmatsu created the bone-like piece *Kouros* and granite pieces like *Black Sun* in Seattle's Volunteer Park.

ANSWER: Isamu **Noguchi** [or **Noguchi** Isamu]

12. Thomas P. Slaughter wrote a recent biography of this man's "Beautiful Soul". For 10 points each:

[10] Name this Quaker, who, like the dwarf Benjamin Lay, berated his fellow Quakers for owning slaves.

ANSWER: John **Woolman**

[10] Woolman refused to use anything made from this material in protest of the use of South American slave labor. The mita system provided labor for the mines for this material at Potosi.

ANSWER: **silver**

[10] Woolman was a hero of members of this organization, whose ranks included Oliver Lodge and Edith Nesbit. Its members founded the London School of Economics.

ANSWER: **Fabian Society** [or the **Fabians**]



13. Some of this man's early research was sponsored by the Wander Company, makers of Ovaltine. For 10 points each:

[10] Identify this man whose experiments included living underground for six weeks in Mammoth Cave to try to adhere to a 28-hour day. He conducted a landmark 1953 sleep study with Eugene Aserinsky.

ANSWER: Nathaniel Kleitman

[10] Kleitman and Aserinsky discovered this phenomenon, which comes in tonic and phasic forms. It is the lightest form of sleep.

ANSWER: REM Sleep [or Rapid Eye Motion Sleep]

[10] Disorders associated with this phenomenon have sometimes been linked to a lack of sleep. Colin Cherry studied this phenomenon using a dichotic listening test, while Donald Broadbent posited a filtered model for this phenomenon.

ANSWER: attention

14. Identify some aspects of Mahavira's post-royal life, for 10 points each:

[10] Mahavira hit the road in a Siddhartha-esque manner after encountering a group of ascetics who were adherents of this predecessor to Mahavira as *tirthankara*, who is commonly represented with the head of a snake.

ANSWER: Parshva [or Parshvanatha]

[10] Mahavira meditated in a squatting position and starved himself for two and a half days before achieving this non-*moksha* analogue of *nirvana*. It is roughly translated as "supreme knowledge."

ANSWER: kevala jñāna

[10] Some time after Mahavira's death, this "sky-clad" sect split off from the Svetambaras over questions such as whether monks should wear clothes.

ANSWER: Digambaras

15. A duet in this opera between the Lounge Lizard and the Confidante occurs at the same time its female protagonist sings "I could never grow bored of dukedoms." For 10 points each:

[10] Name this 1995 opera that centers on the Duchess of Argyll, who sings the "fellatio" aria.

ANSWER: Powder Her Face

[10] *Powder Her Face* is an opera by this British composer, whose other works include the string quartet *Arcadiana*, the chamber work *Living Toys*, and the large orchestral work *Asyla*.

ANSWER: Thomas Adès

[10] Adès played the piano on a 2002 recording of *The Diary of One Who Disappeared* with tenor Ian Bostridge. That song cycle was originally by this Czech composer who wrote his *Sinfonietta* for the Sokol movement.

ANSWER: Leoš Janáček

16. The first natural one of these devices is the mineral kawazulite. For 10 points each:

[10] Name these materials that conduct electricity only on their surfaces.

ANSWER: topological insulators [prompt on partial answer]

[10] The mineral kawazulite contains this element, which is the most diamagnetic. The subsalicylate salt of this metal is found in the active ingredient of a pink substance used to treat upset stomach and diarrhea.

ANSWER: bismuth

[10] This effect was discovered at low temperatures in bismuth by its two namesakes. In this effect, the magnetization of a substance oscillates as the strength of a magnetic field increases.

ANSWER: de Haas–van Alphen effect

17. While serving as a non-voting member in the US House of Representatives, he vigorously campaigned for the passage of the Jones Act. For 10 points each:

[10] Identify this one-time governor of Tayabas, who became president of his country following the passage of the Tydings-McDuffie Act.

ANSWER: Manuel Luis Quezon y Molina

[10] Manuel Quezon hailed from this country, once led by Ferdinand Marcos.

ANSWER: The Philippines

[10] From the 16th to 19th century, Philippine trade was dominated by these vessels, which made their profit annually by bringing spices and silks from China to New Spain. They were named for a city in the Philippines.

ANSWER: the Manila Galleons [prompt on galleons]

18. The title character of this work is a black man falsely convicted of killing a white man. For 10 points each:

[10] Name this novel that includes the characters Gavin Stevens and Aleck Spender, in which the teenager Charles Mallison falls into a creek. Its nebulously-named title character is the falsely accused Lucas Beauchamp.

ANSWER: **Intruder in the Dust**

[10] *Intruder in the Dust* was written by this creator of Yoknapatawpha County and author of *As I Lay Dying* and *The Sound and the Fury*.

ANSWER: William Cuthbert **Faulkner**

[10] Faulkner treated lynching earlier in this short story featuring the barber Hawkshaw, who tries to convince mob leader John McLendon of the innocence of the black night watchman Will Mayes.

ANSWER: **"Dry September"**

19. Its namesake problem from computer science, which is NP-complete, concerns a graph  $G$  and a number  $k$ , and asks whether  $G$  has a complete subgraph of size  $k$ . For 10 points each:

[10] Identify this term for a completely connected subgraph of a graph.

ANSWER: **clique**

[10] This eponymous theorem from combinatorics states that for each pair of positive integers  $k$  and  $l$ , there is a least positive integer  $R(k,l)$  such that, given any simple graph with  $R(k,l)$  vertices, either the graph contains a clique with at least  $k$  nodes or an independent set with at least  $l$  nodes.

ANSWER: **Ramsey's** theorem

[10] This mathematician suggested that if aliens came to Earth and threatened to destroy the planet unless we calculated  $R(6,6)$ , we should instead figure out a way to destroy the aliens. Along with Alfred Rényi, he introduced a model of random graph generation.

ANSWER: Paul **Erdős** (accept **Erdős** Pál)

20. Edward Fowles once traveled to England with the *Allendale Nativity* to try to get this man to change his opinion that it was painted by Giorgione and not Titian. For 10 points each:

[10] Name this art critic who appears in Simon Gray's play *The Old Masters* along with art dealer Joseph Duveen. He developed Morelli's "scientific connoisseurship" in books like *The Study and Criticism of Italian Art*.

ANSWER: Bernard **Berenson**

[10] Berenson purchased this later-stolen painting for Isabella Stewart Gardner. The title character is seated next to an oarsman as a wave breaks over the boat in this painting.

ANSWER: *Christ in the* **Storm on the Sea of Galilee**

[10] Joseph Duveen declared a work owned by Harry Hahn attributed to this artist to be a forgery without even seeing it, prompting a lawsuit. He painted *Lady with an Ermine* and the *Madonna of the Rocks*.

ANSWER: **Leonardo** da Vinci [or Leonardo **da Vinci**]

21. After he won the Nobel Prize, his country announced that it would spend \$110 million creating a "Cultural Experience Zone" devoted to this author in his home town. For 10 points each:

[10] Identify this Chinese author of *Red Sorghum*.

ANSWER: **Mo** Yan

[10] A character in Mo Yan's *Life and Death are Wearing Me Out* is accused of impregnating one of these creatures during a humiliation session in the Cultural Revolution. One of these creatures accompanies a character who didn't enter kindergarten in Moguer because there weren't chairs big enough for him in a Juan Ramon Jimenez novel.

ANSWER: **Donkey**

[10] In a review of this Mo Yan novel, John Updike declared that "The Chinese novel, perhaps, had no Victorian heyday to each it decorum." This novel mostly centers Jinton, the son a son of a Swedish pastor born during the Japanese invasion.

ANSWER: **Big Breasts and Wide Hips**

## UNUSED QUESTIONS

Kirkus Reviews describes this work as, “written with a fervor that is both fierce and compassionate,” and this work asks, “Eagle without wings. Here we bide our time. And what are we going to do about it?” One character in this work describes the “endless fatal leap toward tomorrow, and how the city this novel takes place in as, “there is only outrage, never tragedy.” Two characters in this work are the writer Rodrigo Pola, and a woman trying to improve her social status, Norma Larragoiti. Another prominent character in this novel is the enigmatic Ixca Cienfuegos. This work was published in 1958 as its author’s first novel, and is based on a wealthy businessman who turns his back on his non- Mexican ethnicity, Federico Robles. For ten points, name this Carlos Fuentes work based in Mexico City about a place where one can presumably breathe easier.

ANSWER: *Where the Air is Clear* or [la región más transparente]

This man who studied at the University of Pittsburgh for one year, studied abroad in Vienna and used his experience there as the backdrop for his first novel. This man’s second novel *The Water-Method Man* was a sort of follow up to his first novel. This man wrote the novel *The 158-Pound Marriage* while teaching at the University of Iowa before going to teach at Mount Holyoke. Eddie O’Hare and Ruth Cole are characters in this man’s novel *A Widow For One Year*, while another of this man’s novels is based on the Berry family. This man wrote a novel that includes John Wheelwright and the title dwarf. One work of this man includes an orphanage and the characters of Homer Wells, and Wilbur Larch, while another includes Jenny Fields and the title character named T.S. For ten points, name this American author of works like *The Hotel New Hampshire*, *A Prayer for Owen Meany*, *The Ciderhouse Rules*, and *The World According to Garp*.

ANSWER: John Winslow Irving or [John Wallace Blunt Jr.]

This man wrote a recent memoir that in part described his early career in America as a “script consultant” for his friend Jane Fonda. He wrote a novel where Twin and Twin-Twin are sons of a man boiled alive and shipped back to the British Museum by John Dalton. In another work, Saluni declares “the fish must go” to the title character, who is in love with Sharisha. One of his novels partially takes place in 19th century Qolorha-by-Sea where Nongqawuse convinces the villagers to slaughter all of their cattle in a sacrifice, while its other half focuses on the modern story of Camagu. He wrote the memoir *Sometimes There Is a Void* as well as novels like *The Whale Caller* and *Black Diamond*. His first novel centers on Toloki, a professional mourner. For 10 points, name this South African writer of *Ways of Dying* and *The Heart of Redness*.

ANSWER: Zakes Mda

This play revolves around a mental breakdown of the protagonist in 20th century England. For ten points each, [10] Name this play named after a legal term, a play whose whose protagonist is the lawyer Bill Maitland.

ANSWER: *Inadmissible Evidence*

[10] *Inadmissible Evidence* was written by this British author and member of the Angry Young Men Movement. He created Archie Rice in *The Entertainer*, and his most famous work includes characters like Cliff Lewis and Colonel Redfern, as well the main character Jimmy Porter in *Look Back in Anger*.

ANSWER: John James Osborne

[10] This work by fellow Angry Young Men author Alan Sillitoe is based on adolescent Herbert Thurgarton-Strang, who moved from India to England at age seven.

ANSWER: *The* *Broken Chariot*

One of the root causes for this conflict was the relatively premature retirement of a major political figure in the country this conflict occurred in, and this conflict was named after a non-numerical year. This conflict helped kick off a period known as “Age of the Country at War,” and the two main combatants in this conflict were separated by 27 years of age. One man in this conflict was given a nickname that include a color and a religious profession, but also referred to his hot temper. A turning point in this conflict that happened during the Muromachi Period came when Ouchi Masahiro became involved. This conflict came about because of a dispute between Hosakawa

Katsumoto and Yamana Sozen, and took place in and around Kyoto. For ten points, name this 1467-1477 Japanese civil war.

ANSWER: **Onin** War

One side in this October 25, 1415 battle was led by King Henry V of England. For 10 points each:

[10] Name this Hundred Years War battle that took place on St. Crispin's Day and involved a lot of mud.

ANSWER: Battle of **Agincourt**

[10] The French forces defeated at the Battle of Agincourt were led by this commander who died in the battle. This man was a member of the Gascon family, and was played by Richard Easton in a movie adaptation of Henry V.

ANSWER: Charles **D'Albert**

[10] This other French military leader, born Jean Le Maingre, was given this nickname and known by this sobriquet. He fought at the Battle of Nicopolis, survived the Battle of Agincourt, and died in 1421.

ANSWER: **Boucicaut**

In Welsh folklore, spindle whorls used by Wales' earliest inhabitants are believed to be these objects belonging to fairies. One of these objects was placed beside the statue of Attus Navius after Tarquinius Priscus ordered him to cut that object using a razor. One of these objects from Tudwal was collected by Merlin, could only be used by the brave, and became one of the Thirteen Treasures of Britain. Thor gets headaches whenever one of these objects is carelessly thrown near him. According to the *Skáldskaparmál*, Midgard is the only source of this material. During Thor's fight with Hrungrnir, a fragment of one of these objects embedded itself in Thor's head after he shattered Hrungrnir's club with Mjólnir. While journeying to retrieve the Mead of Poetry, Odin gave one of these objects to one of nine thralls in a field, after which all of the thralls killed each other with scythes squabbling over it. For 10 points, name these hard objects that might have made Hrunting less useless.

ANSWER: **whetstones** [accept general descriptions like "a stone with which to sharpen weapons"; also accept **sharpening stones** or **water stones**; prompt on **stones**]

One of this philosopher's books opens with an example of how parasitic worms cause ants to climb up stalks of grass and expose themselves to predators in its section, "Opening Pandora's Box". In a chapter subtitled "A Boom Crutch Unveiled", this philosopher argued against Frank Jackson's Mary's Room thought experiment by asserting that Mary would conclude, "Ah, color perception is just as I thought it would be". A recent book by this man offers philosophical tools like the "Curse of the Cauliflower" and "An Older Brother Living in Cleveland" and describes how computers work. This author of *Intuition Pumps and Other Tools for Thinking* and *Breaking the Spell* argued against the binary classification of events in the Cartesian Theater by offering his own Multiple Drafts model. In another text, he used the metaphors of cranes and skyhooks, a "universal acid", and an algorithm to argue that "biology is engineering". He wrote 2003's *Freedom Evolves*. For 10 points, name this prominent atheist, the author of *Consciousness Explained* and *Darwin's Dangerous Idea*.

ANSWER: Daniel Clement **Dennett**

Rites in this religion included praying three times a day to the three women in your life: your wife, daughter and mother. Followers of this religion were reminded of "Good Will", "Order" and "Progress" through three daily taps on the back of their heads. This religion was popularized abroad through Harriet Martineau's translations. The founder of this religion hoped that the need for the "vivifying fluid" of women would soon become obsolete, which would also lead to the withering away of men's penises. It's not Cao Dai, but this religion devotes entire months to the thirteen great men, whose ranks include Charlemagne, Saint Paul and Frederick the Great. This religion had its greatest impact among men like Benjamin Constant Botelho Magalhães and Miguel Lemos in Brazil, whose flag contains a slogan from this religion. This system was formally known as the Church of Humanity. The founder of this system coined the term "sociology". For 10 points, name this religion founded by Auguste Comte.

ANSWER: **Positivism** [or **Church of Humanity** before mention]

Jonas Peters used a complex of this element bonded to boron to create the first structurally characterized one-electron bond. This element catalyzes the decarboxylation of aromatic acids in the presence of quinoline. The phosphine-stabilized hexamer known as Stryker's reagent contains this metal. Along with palladium, this element is used as a catalyst in a coupling reaction between an aryl halide and terminal alkyne. Acetylides of this metal react with aryl halides in the Castro-Stephens coupling, and it catalyzes the coupling of aryl halides in the Ullmann reaction. Reducing sugars are oxidized by this element in Benedict's solution. Along with lithium, this metal is found in a Gilman reagent. For 10 points, name this chemical element found in both brass and bronze.

ANSWER: **copper**

*This question is a bit easy. Also, there are too many questions on elements. I will write something else in its place. - Sriram*