

**The Brief Wondrous Tournament of WAO - Málà Yousufzai, served extra spicy**

**Editors:** Will Alston, Joey Goldman, James Lasker, Jason Cheng, Naveed Chowdhury, and Jonathan Luck, with writing assistance from Athena Kern and Shan Kothari.

Packet by Editors (3rd)

## TOSSUPS

1. It's not related to the Wittig reaction, but a reaction with this mechanism reacts ketenes with imines and is known as the Staudinger synthesis. The thymine dimerization that causes sunburns forms from this kind of reaction mechanism. Transition states in these reactions can adopt topologies named for Mobius and Huckel. Molecular orbitals of reactants must flow smoothly into molecular orbitals of products according to the conservation of (\*) orbital symmetry which was used to develop the Woodward-Hoffman rules. Barry Sharpless called one of these reactions, which reacts azides and alkynes, "the premier example of a click reaction." These reactions include the Huisgen reaction as well as a reaction between a diene and a dienophile in a [4 + 2] fashion. For 10 points name this class of pericyclic ring forming reactions which includes the Diels-Alder reaction.

ANSWER: cycloaddition reaction [ prompt on pericyclic reaction and ring-forming reaction before read; prompt on addition]

2. In a long poem titled for this city the line "There is no lily of the valley" is oriented vertically down the centre of the page. That poem prefaces with "H u s s h" a pianississimo piece of music with the lyric "diminuendo". That poem is by Hope Mirrlees. After falling in love with a woman who introduces herself in the lobby of a circus by saying "I don't want to be here", a woman who runs a "pauper" salon for poets moves to this European city. This city is where the relationship of (\*) Robin Vote and Nora Flood falls apart in *Nightwood* by Djuna Barnes. A novel set in this continental city ends with the thought "it is a far, far better thing that I do, than I have ever done." That thought belongs to the man who takes Charles Darnay's place at the guillotine, Sidney Carton. For 10 points name this French city, the partial setting Dickens' *A Tale of Two Cities*.

ANSWER: Paris

3. It's not nursing, but a blurry painting of seven people with this job by Gerhard Richter was sold to John Arnold by the Weserberg Museum in 2010. It's not prostitution, but Hugh Rodman pulled the best-known work of Paul Cadmus off the walls at the Corcoran Gallery because of its depiction of people in this line of work. Another painting of people in this like of work models their expressions on engravings of emotions by Charles LeBrun. In another painting, a man with this occupation regales two boys, one in black the other in green with a feathered hat to his right. The adult in (\*) *Boyhood of Raleigh* has this occupation, as do the two men who attempt to rescue their friend Brook in a painting by the brother of Henry Pelham. A strong wind blows the *Gloucester* in another painting of people doing this. For 10 points, identify this occupation of the people depicted in Winslow Homer's *Breezing Up*.

ANSWER: sailors [or seamen or reasonable equivalents] <Edited>

4. After it was established, this colony was the major export center of the scarlet red cochineal dye produced by its natives. The success of the Mixtón War in this colony enabled the mass settlement of a subregion of it for silver mining. A collection of artifacts from and writings about this colony was assembled by Lorenzo Boturini. An early ethnography of this colony, often known simply as its *General History*, is housed in the Laurentian Library. In this colony, many (\*) *casta* paintings depicted lower-class people abusing the alcoholic beverage *pulque* [POOL-kay]. Most Manila galleons made their eastern stop at this colony's city of Acapulco. The friar Bernardino de Sahagún collected the legends of this colony's natives into the Florentine Codex. For 10 points, name this Spanish colony whose capital was the built on the site of Tenochtitlan.

ANSWER: (Viceroyalty of) New Spain [or Nueva España; accept Colonial Mexico] <Edited>

5. The narrator of this novel informs the reader that a woman has no jewelry to sell to pay for travel, thus forcing her to walk to a nearby city on foot. A libertine in this novel withholds money given to him to support his friend's abandoned mistress, hoping to make her give in to his sexual advances. The father of this novel's protagonist attempts to help a woman whose death serves as a "striking example" of "vice" leading to "misery and shame," Mrs. (\*) Crayton, after arriving in New York to rescue his daughter. This novel's sequel stars the protagonist's daughter Lucy, whose birth kills her mother, despite Mrs. Beauchamp's efforts. The title character of this novel is seduced by a man who kills Belcour in a duel, the soldier John Montraville. The first bestselling novel in American history is, for 10 points, what novel in which the title British girl dies in New York, written by Susanna Rowson?

ANSWER: Charlotte Temple [accept Charlotte, A Tale of Truth]

6. In a process discovered in this structures, the stargazin-PSD-95 complex is phosphorylated, halting receptor surface trafficking. That process discovered in this structure has a "late-phase" variant utilizing CREB and an "early-phase" variant reliant on AMDA phosphorylation. A reading from this structure has been called "atropine resistant" or "atropine sensitive"; that reading is this structure's theta (\*) rhythm, which can be observed in rats that are running or in REM sleep. It is not the cerebellum, but unmyelinated neurons called mossy fibers transmit information to this structure's CA3 component from its dentate gyrus. One patient called "H.M." had a bilateral removal of this brain structure and surrounding tissue, resulting in severe anterograde amnesia. For 10 points, name this "sea horse" shaped structure in the limbic system that is involved in forming long term memories.

ANSWER: hippocampus

7. A poem from this region, which centers on a city official who laments the pains the gods have inflicted on him, is known as the "Poem of the Righteous Sufferer." In a work of literature from this region titled for a king's "Instructions," a father gives advice to a son whose name means "he who found life." In a story from this region, a character offers himself as a sacrifice so his blood and wisdom can be used to create seven humans to serve as laborers. The standard version of another story from this region opens with the line (\*) "He who saw the deep." In that story from this region, a haughty king, who oppresses his people by forcing them to build walls and claiming the right of first night, has a dream about a meteor. Peoples from this region wrote stories about heroes like Atrahasis and a man who vanquishes the demon of the Cedar Forest, Humbaba. For 10 points, name this region whose cultures created the Epic of Gilgamesh.

ANSWER: Mesopotamia [accept Sumeria or Iraq or Babylonia; prompt on Fertile Crescent or Near East]

8. Georgia-based televangelist Jentezen Franklin has published several books advocating this practice. Adherence to rules regarding this practice is officially obligatory on Catholics between ages 18 and 59. In Eastern Christianity, the instance of this practice that precedes the Dormition is interrupted by the Transfiguration. Coptic Christians observe this practice over 200 days a year, more than any other Christian denomination. Catholics are permitted two (\*) collations while observing this practice, whose most rigorous form is its black form. In Eastern Orthodoxy, this practice is observed on Wednesdays in addition to Fridays, as in Roman Catholicism. For 10 points, identify this practice that traditionally takes place during Lent, which may involve abstention from consumption of meat.

ANSWER: fasting [accept any specific fasting] <Edited>

9. Phillip Guo's first project in "The PhD Grind" involves Klee, a program used for this task. Lithium is a Python utility that implements the delta version of this task. EJ Gauss analogized an algorithm for accomplishing this task to finding an animal in Alaska in his "Wolf Fence Algorithm" which git has implemented as bisect. Explaining your (\*) methodology to an inanimate object like a rubber duck can expedite this process. Dump files are analyzed in utilities like gdb to assist in this task which uses break statements and print statements to try to triangulate the target issues. Performing this task is especially hard when dealing with issues that don't always appear in phenomenon named after Heisenberg. For 10 points name this process, first performed by Grace Hopper when she removed a moth from the Mark II computer.

ANSWER: debugging [or bug finding]

10. Among the three members of the *somatophylakes* who conspired to murder of Perdiccas, this person was the only one to become royalty. The construction of a city named for this ruler led to the depopulation of the nearby cities of Opis and Sippar. This ethnically Greek ruler's armies provided the scythed chariots and elephants for the allied coalition during a battle against Demetrios Poliorketes and his father. This ruler lends his name to a city that stood opposite from Ctesiphon on the (\*) Tigris river, which he founded along with the city of Antioch. This ruler, whose epithet means "the Victorious," was killed by Ptolemy Keraunos after allying with the Ptolemaic dynasty against Lysimachus. The largest contributor to the winning side at Ipsus, this former bodyguard of Alexander founded an empire that stretched from Caria to Baktria. For 10 points, name this *diadochos* who founded an empire that encompassed Syria and Persia.

ANSWER: Seleucus Nicator [or Seleucus I; or Seleukos Nikator; accept Seleukeia] <Edited>

11. The common version of a piece by this composer resulted from a error by the compilers of Grove's Dictionary in 1880, when they based their entry on that piece Mendelssohn transcription that was a fourth higher than the piece's original form. Lesser-known works by this composer include a mass based on the Eastern Motet "Christus resurgens" and two settings of the *Lamentations of Jeremiah*. Britain's oldest chamber ensemble is named in honor of this composer, who is considered the first writer of a string quartet. This composer's (\*) most famous piece, which features a beautiful high C, is for two choirs of five and four voices and was meant to be performed during the Tenebrae Service in the Sistine Chapel. Mozart famously made a transcription of that piece by this composer from memory after his journey to Rome in 1770. For 10 points, name this Roman composer, by far best known for his *Miserere*.

ANSWER: Gregorio Allegri

12. Classes of freemen among these people, collectively known as the *Stellinga*, revolted in the 9th century with the support of Lothair to restore their pre-peasantry status. Converting these people to Christianity was done with the help of the epic book *Heliand*, as well as a brutal incident in which 4,500 of them were killed at a confluence of two rivers. Rudolf of Fulda described these people's great tree-trunk shrine, the Irminsul, which was personally destroyed by an enemy king during a war that featured the Massacre of (\*) Verden. It's unclear whether these people settled or raided their namesake "Shore" found along the coast of Northern France. These people were led by Widukind during their struggle against Charlemagne, who brutally converted them to Christianity. For 10 points, name these Northern German people, grouped with the Angles among the early rulers of Britain.

ANSWER: Saxons [or Sachsen] <Edited>

13. Borwein gives a prescription for integrating products of these functions 0 to infinity, usually giving the value  $\pi$  over 2. The product of two of these functions can be used to interpolate between discrete signals in Lanczos resampling. In the last step of deriving Fermi's Golden Rule, the limit of this function as the frequency approaches the transition frequency is taken, yielding a delta function. The angular dependence of (\*) rectangular slit diffraction intensity in the Fraunhofer limit is given by this function which is the Fourier transform of the boxcar function. Unlike the function for which it is named, its value at 0 is 1, but at every other integer value of  $n$  times  $\pi$  it is zero. For 10 points, name this function, equal to the sine of  $x$  over  $x$ .

ANSWER: Sinc ['Sink'] function [or Cardinal Sine; DO NOT ACCEPT OR PROMPT ON sine]

14. Before the concert at the Parthenon, Robert Altman's *Nashville* features a performance at one of these places that is named for the concert held there. In 2013, director Randy Moore surreptitiously filmed a movie inside one of these places titled for an "Escape." A style of hot dog topped with meat popular in Michigan is named for a neighborhood known for containing these places. One of these places in Vienna is called the Prater, and the oldest currently extant example of these places is located in (\*) Copenhagen and called Tivoli Gardens. One of these places in Southern California calls itself a "Berry Farm," and historically these places in New York were concentrated in the neighborhood of Coney Island. For 10 points, name these recreational areas that may include attractions like Ferris wheels and roller coasters.

ANSWER: amusement parks [or theme parks or funfairs; accept specific answers like Disneyland or Opryland; prompt on parks] <Edited>

15. *Description acceptable.* A popular 2008 book whose title suggests *this assumption* is unsound illustrates its limitations using an experiment involving Lindt truffles and Hershey kisses to illustrate the "zero price effect"; that book by Dan Ariely is titled for "predictably" violating it. A distinction between "substantive" and "procedural" forms of this assumption was introduced by an economist who argued that limitations on it cause actors to aim towards an acceptability threshold, a process called (\*) "satisficing." The key insight of a 1988 paper by Kevin Murphy and Gary Becker was incorporating assumption into understanding addiction. Herbert Simon described a "bounded" form of this assumption, which lends its name to standard economic "choice theory." For 10 points, identify this common assumption that agents take into account all information and maximize their utility.

ANSWER: rationality [accept basically anything involving the word rational or agents/people behaving rationally; accept rational choice theory; accept anything involving utility maximization until "substantive" is read; accept homo economicus]

16. In discussing how complex terms signify, this thinker held that they are not synonymous with their definition, because they signify more than is contained in the definition. Marilyn Adams built on Stephen Brown's reading of this thinker's attempt to develop an account of similarity that would simplify Aristotle's categories. Boehner and Moody collaborated on the critical edition of this thinker's complete works. A problem named for this man asks what kind of non-numerical unity the *haecceity* of things must have. This man's main work subordinated written and spoken language to that of thought, because only the latter's significations are ordained by (\*) nature. This author of a *Summa of Logic* favoured nominalism due to a commitment to ontological parsimony, which grounds a heuristic associated with him. For 10 points, the slogan "do not multiply entities beyond necessity" is whose razor?

ANSWER: William of Ockham

17. Joseph Whitney wrote a best-selling book about the origins and life of these peoples. The "Indigenous" theory of these people's origins, which often has anti-colonial undertones, disagreed with the traditional view that they moved south after separating from the Andronovo culture. Karl Schlegel derived an etymology of this people's name as "the honorable people" through comparison to the German for "honor." A proposed event involving these people is hypothesized to have spread the (\*) R1a haplogroup and the consumption of *soma*. According to that typically discredited theory, the invasion of an Indo-European group equated with these people of this name destroyed the Indus Valley Civilization. For 10 points, name this hypothetical ancient people, often falsely depicted as a race of pure-blooded Nordic-looking folks, who lend their name to a white supremacist prison gang.

ANSWER: (Indo-) Aryans [prompt on Indo-Europeans or Indo-Iranians] <Edited>

18. This artist painted the word *Adios* to look like liquid blobs covered in trompe l'oeil depictions of kidney beans, a stylistic choice which foreshadowed his lithographs of cheese circles. This artist created a piece that consists simply of the phrase "PAY NOTHING UNTIL APRIL" superimposed over some mountains. The photographers Venturi and Brown took for *Learning from Las Vegas* borrowed this man's idea of mounting a camera to the top of a moving car. This artist hired Art Alanis to take a series of bird's eye view photographs of parking lots. This artist produced the 25-foot long accordion folded *Every Building on the* (\*) *Sunset Strip*. This photographer's first artist's book consists of photos taken on his drive from his LA home to his parents' house in Oklahoma City. For 10 points, name this LA-based photographer of *Twenty-Six Gasoline Stations*.

ANSWER: Ed Ruscha [or Edward Joseph Ruscha IV]

19. In the first act of a play by this author, a pastor notes that "There are too many women running this house," leading to the owner of the house responding that "it is like a cage full of tigers." That play by this author opens with a debate over who the father of a kitchen maid's illegitimate child is. The title captain's wife wants her daughter stay at home rather than go to town to become a teacher and has the captain declared (\*) insane to accomplish this at the end of a play by this author. In a novel by this author, Triton turns out to be a fraudulent insurance company. At the end of that novel by this author, the protagonist returns from a voyage to find that all of his friends, including the painter Sellen, have lost their idealism. This author wrote a novel in which the student Arvid Falk regularly meets with a group of intellectuals at the title location. For 10 points, name this author of the plays *The Father* and *The Red Room*.

ANSWER: August Strindberg [or Johann August Strindberg]

20. The bankers E. Parry Thomas and Jerry Mack financed the creation of many of these places during a boom partly caused by an influx of federal atomic energy workers. State level restrictions on the creation of these places were overturned in the 1987 case *California v. Cabazon*. Bugsy Siegel gave William Wilkerson the funds to complete the creation of one of these places after Wilkerson ran out of money. Historically, these places provided the engine of the economy of the city where (\*) salt water taffy was invented. Carl Icahn financed one of these facilities that went through a prepackaged bankruptcy a year after its 1990 opening, in one of Donald Trump's most notorious business failures. Due to a lack of restrictions on their construction on reservations, the Chickasaw, Pequot, and hundreds of other tribes make bank off these facilities. For 10 points, identify these places which provide the main attractions for tourists to Atlantic City and Las Vegas.

ANSWER: casinos [accept bingos or gambling halls; do not accept or prompt on "lotteries"]

TIEBREAKER/EXTRA TOSSUPS

1. Claude Levi-Strauss made a direct contrast between a male culture hero from these peoples' mythology and Cinderella by noting that that hopelessly enamored hero is stripped of his ugliness; that is their Ash Boy myth. Franz Cushing made pioneering studies of the beliefs of these people, which include that humans are helped out of the "fourth world" of darkness by two bow-priests, who present four prayer sticks to the creator god Awonawilona. In their mythology, the Lake of the Dead is the home of spirits represented by real-life (\*) masked dancers who perform the *kachina* dance. These people emphasized the rain-bringing aspect of the big-dicked trickster Kokopelli, unlike their neighbors, the Hopi. For 10 points, Ruth Benedict wrote a study of the "mythology" of what Southwestern people?  
ANSWER: Zuni [prompt on Pueblo people]

## BONUSES

1. Answer the following about strings in Physics. No, not that kind of string, the kind of strings with theories that make testable predictions. For 10 points each,

[10] In free body diagrams, strings that connect blocks are assigned this type of force to counteract another force, usually gravity. Values of this force, symbolized T, less than zero are nonphysical and result in slack in the string.

ANSWER: **tension**

[10] When a string of length L and density d is held with tension T between two fixed points, what is the wave velocity in the string? It may help to note this can be derived in the small displacement limit which creates a wave equation. You have 10 seconds.

ANSWER: **square root of T over d** [do not accept or prompt on anything else]

[10] This classic demonstration uses a tuning fork attached to a string which is weighted on the other end after being strung through a pulley. It helps to visualize standing waves.

ANSWER **Melde's** Experiment

2. This book opens with a quote from Edmund Burke praising Charles Fox for his opposition to the tyranny of the East India Company. For 10 points each:

[10] Name this 1957 Pulitzer Prize-winning book, which provides eight short biographies of Senators who suffered repercussions for doing what was right by their politics and constituents.

ANSWER: **Profiles in Courage**

[10] Though *Profiles in Courage* was probably ghost-written, its credited author is this son of an Irish bootlegger, whose three-year long Presidential administration was sometimes called "Camelot."

ANSWER: John F. **Kennedy** [or **JFK**]

[10] Among those profiled in Kennedy's book are this Fire-Eater Democrat, who stepped across party lines in delivering a eulogy for Charles Sumner and opposing the Bland-Allison Act. He was rather less conciliatory towards African-Americans, believing firmly in what he called "the supremacy of the Saxon Race."

ANSWER: Lucius (Quintus Cincinnatus) **Lamar** II <Edited>

3. Novels set here include one in which a clerk passively observes his friends in post-college life, and another in which Jazzy attempts to find an *ang moh* husband to escape oppressive patriarchal society here. For 10 points each:

[10] Name this city, the setting of Cheryl Lu-Lien Tan's *Sarong Party Girls*, as well as *If We Dream Too Long*, which is considered this city's first true novel.

ANSWER: Republic of **Singapore**

[10] In this 2013 New York Times Bestseller by Kevin Kwan, the American-born Chinese Rachel Chu travels to Singapore and clashes with the extremely vain and shallow extended family of her boyfriend Nick Young.

ANSWER: **Crazy Rich Asians**

[10] Goh Poh Seng's *If We Dream Too Long* features a staging of *The Merchant of Venice*, with the gold-digging Hock Lai playing this villainous moneylender opposite to Nadarajah's Portia.

ANSWER: **Shylock**

4. An eighty year war between these two deities is described in a story about their “contendings” from the Twentieth Dynasty. For 10 points each:

[10] Name these two deities, one of whom wins a boat race against the other by tricking him into making a boat of stone.

ANSWER: **Horus** and **Seth** [accept in either order]

[10] After his fight with Set, Horus must be given a new one of these body parts, whose *wedjat* variety he was depicted with. An “evil” one of these body parts is a common motif in Near Eastern art.

ANSWER: **eyes**

[10] Horus is give his new eye by this deity, who formed the Theban Triad with parents Amun and Mut. This deity’s name derives from a role as protector of travelers during the nighttime.

ANSWER: **Khonsu**

5. In this community, unpaved roads were sprayed with oil to prevent dust, leading to contamination of the area with dioxin. For 10 points each:

[10] Name this St. Louis suburb, which was abandoned in 1983 after its inhabitants were exposed to toxic waste.

ANSWER: **Times Beach**, Missouri

[10] The cleanup of Times Beach was covered under this US federal government program established in 1980 to address extremely polluted sites.

ANSWER: **Superfund**

[10] One similar case to Times Beach was the Love Canal incident in this upstate New York city. This city and its larger neighbor in Ontario are both named after a major tourist destination on the international border.

ANSWER: **Niagara Falls**, New York

<Edited>

6. The one-act opera *I Pagliacci* was composed in this style by Ruggero Leoncavallo. For 10 points each:

[10] Identify this analogue of realism in Italian opera, whose key composers include Pietro Mascagni and Umberto Giordano.

ANSWER: **verismo**

[10] In this Verismo opera by Umberto Giordano, Madeleine offers her body to the evil Gerard in an attempt to save her lover. It was once staged on a floating stage on Lake Constance.

ANSWER: **Andrea Chenier**

[10] Madeleine offers her body in this soprano aria that includes the lines “A dying body is my body/ So take it./ I am already dead matter.” The Maria Callas version of it was used in the film *Philadelphia*.

ANSWER: “La **mamma morta**” <Edited>

7. This country muscled in on the Hansa’s Baltic grain and herring trade, and combined this with its own exports to become an agricultural powerhouse in the 17th century. For 10 points each:

[10] Name this country, about one sixth of whose land area has been reclaimed from the sea over the centuries in provinces like Zeeland.

ANSWER: The **Netherlands** [or **Nederlanden**; accept **Holland**]

[10] These areas of low-lying land enclosed by dikes were key to the Dutch land reclamation process that turned it into an agricultural powerhouse. They’re maintained by local boards called *waterschap* to prevent flooding.

ANSWER: **polders**

[10] The treaty ending this war, the Treaty of Ryswick, forced the French to abandon the massive tariff they had put up to protect their farmers from superior Dutch competition.

ANSWER: **Nine Years’ War** [or War of the **League of Augsburg**] <Edited>

8. Answer the following about the Parnassians, a primarily French literary movement from the 19th century, for 10 points each:

[10] This poem, printed across 11 open-face pages in varying font sizes, was published with a note by its author reluctantly explaining its unusual typography. This poem claims that its title condition holds true "EVEN WHEN TRULY CAST IN THE ETERNAL CIRCUMSTANCE OF A SHIPWRECK'S DEPTH."

ANSWER: "A **Throw of the Dice Will Never Abolish Chance**" [or "Un **coup de dés jamais n'abolira le hasard**" (by Stéphane Mallarmé)]

[10] Sully Prudhomme, another Parnassian, wrote a long poetic work in which these beings refuse to bloom, titled a "Revolt" of these objects. A collection named after these objects contains an 18-part "Parisian Scenes" section.

ANSWER: **flowers** [accept "The Revolt of the **Flowers**" or *La Révolte des fleurs*; accept *The Flowers of Evil* or *Le fleurs du mal*]

[10] Stéphane Mallarmé and the Parnassians rose under the influence of this critic's slogan "art for art's sake," which they saw as a fitting reaction to Romanticism. This man is the dedicatee of Baudelaire's *Le Fleurs du mal*.

ANSWER: Theophile **Gautier** [or Pierre Jules Théophile **Gautier**]

9. These structures can combine to form namesake barrels in proteins like aquaporins where they combine in an antiparallel fashion. For 10 points each,

[10] Name these flat secondary protein structures which are indicated in ribbon diagrams as flat arrows, not helices.

ANSWER: **Beta** pleated **Sheet**

[10] This tertiary motif is comprised of three antiparallel beta sheets connected by short turns, followed by a long connection to a fourth sheet which is parallel to the first sheet.

ANSWER: **Greek Key**

[10] Proteins in this protein folding domain's namesake superfamily include MHC Antigens and Cell Adhesion molecules. This protein domain is essentially a Beta-sandwich where the 'bread' is Greek Keys.

ANSWER: **Immunoglobulin-like domain** [or **Ig-domain**; or "Fold" in place of "domain" for either answer ]

10. In *Mental Ears and Poetic Work* this poet wrote: "I am rather frequently accused of having more or less altogether taken leave of discernible sense. In fact I believe this accusation to be more or less true." For 10 points each:

[10] NYRB has recently republished this Cambridge School poet's collection *The White Stones*. The line "It hurt so much" from this poet's *To Pollen* quotes the nine year-old Iraqi girl Eman Waleed's scream on losing her leg while US Marines burst into her house and killed much of her family.

ANSWER: J(eremy) H(alvard) **Prynne**

[10] Prynne wrote a biographical preface for a posthumous collection by Veronica Forrest-Thomson, who is better known for poems inspired by this philosopher. David Markson titled a novel for this philosopher's *Mistress*.

ANSWER: Ludwig **Wittgenstein**

[10] "dead are a necessity to us / Keeping our interest from being too much / About birth." appears in Prynne's "A Gold Ring Called Reluctance", which is influenced by this poet's *Little Gidding*. This poet wrote *The Waste Land*.

ANSWER: T(homas) S(tearns) **Eliot**

11. This art historian argued that the Dutch “cleanliness fetish” resulted from a Calvinist impetus towards cleaning as a way of releasing inner moral struggles in work consisting of *An Interpretation of Dutch Culture in the Golden Age*. For 10 points each:

[10] Name this author of *The Embarrassment of Riches*, which operates largely through a lens of analysing the “moral geography” of the era.

ANSWER: Simon **Schama**

[10] Simon Schama also wrote a book titled for this painter’s *Eyes*. This artist painted the *schuttersstuk*, or a group portrait of militia guardsmen, called *The Night Watch*.

ANSWER: **Rembrandt** Harmenszoon van Rijn

[10] In one article Schama described how the “lacerated soles” of the title figure of this Rembrandt painting tear “our heartstrings.” The title figure of this work kneels and is embraced by a bearded figure in a red cloak.

ANSWER: *The Return of the Prodigal Son* <Edited>

12. This man’s studies, such as *From the Soil*, were used in the 1980s as guidelines for the development of township and village enterprises. For 10 points each:

[10] Name this anthropologist, who served as the head of the Central Institute for Ethnic Minorities from 1951 until he got purged as a “rightist” later in the decade.

ANSWER: **Fei** Xiaotong

[10] Anthropologist John Ogbu divided the minorities of this country into “voluntary” and “caste-like” minorities. Another anthropologist stated that minority groups from this country have a “double consciousness.”

ANSWER: **United States** of America [or **USA**; or **Murka**]

[10] This widely-studied set of ethnic minority groups includes the practitioners of “firestick farming” studied by Rhys Jones. Their members hold Uluru to be sacred.

ANSWER: Australian **Aborigines** [or anything suggesting Australian natives] <Edited>

13. Atorvastatin, which is marketed under the brand name Lipitor, is used to prevent the biological synthesis of this compound. For 10 points each:

[10] Name this steroid whose “bad” form is LDL and whose “good” form is HDL.

ANSWER: **cholesterol**

[10] Statins like Lipitor work by acting as a competitive inhibitor for this rate-controlling enzyme of the mevalonate pathway.

ANSWER: **HMG-CoA reductase**

[10] One effect of statins in endothelial cells is the upregulation of an enzyme that synthesizes this reactive compound that is also a vasodilator.

ANSWER: **nitric oxide** or **NO**

14. Like members of the royal family, people who took this title were styled as *denka* in court. For 10 points each:

[10] Give *either* of the titles taken by medieval Japanese regents. One of these titles referred to a regent for a child emperor, while the other was a sort of assistant, but usually *de facto* ruler, for an adult emperor.

ANSWER: **sesshō** OR **kampaku** [accept **kanpaku**]

[10] This most famous member of the Toyotomi clan resigned the title of *kampaku* to his nephew Hidetsugu four years before his death in 1595. He was the second of Japan’s three great unifiers.

ANSWER: Toyotomi **Hideyoshi** [prompt on **Toyotomi**]

[10] This clan dominated the title of *kampaku* during the Kamakura shogunate. It managed to completely marginalize the emperor during the life of its member Tokimune, who repelled the Mongol invasions.

ANSWER: **Hōjō** clan <Edited>

15. This poet's last collection contains an address to a "counter-muse" named "Axel Avákar," and its title poem ends with a "syntax of rendition," where "verb force-feeds noun" and "noun is choking." For 10 points each:

[10] Name this poet who wrote about "the war / poetry wages against itself" in *Tonight No Poetry Will Serve*. The speaker dons "a grave and awkward mask" and observes "a piece of maritime floss" in this poet's "Diving into the Wreck."

ANSWER: Adrienne **Rich** [or Adrienne Cecile **Rich**]

[10] Adrienne Rich's "A Valediction Forbidding Mourning" decries the oppression of a male-made language and shares its title with one by this author comparing two lovers to needles on a compass

ANSWER: "A **Valediction Forbidding Mourning**"

[10] In Rich's "Diving into the Wreck," the speaker prepares for the title journey by "First" using this object in the first line of the poem. At the end of the poem, "We are, I am, you are... carrying a knife, a camera / and" this object "in which our names do not appear."

ANSWER: "a **book** of **myths**" [accept any answer indicating some **book** or **volume** containing **myths**]

16. This place typically occupied the north-east corner of a T-O map. For 10 points each:

[10] Identify this place, which is still sometimes called "Frangistan" or "Land of the Franks" based on a medieval word for its inhabitants in Arabic. It takes its name from a Phoenician princess who was abducted by a cow.

ANSWER: **Europe** [or **Europa**]

[10] Medieval and ancient maps typically incorrectly depicted this region as an island. Eric of Pomerania unified this region thanks to the machinations of his mother Margaret.

ANSWER: **Scandinavia**

[10] Particularly wacky maps created during the reign of Charles V, such as one created by Sebastian Munster, depicted Europe in this stylized form. In maps created in this style, Sicily is often represented as a *globus cruciger*. A description is acceptable.

ANSWER: Europe is shown as a **queen** [or Europa **regina**; prompt on less specific answers indicating that Europe is shown as a **person** or **ruler** or **anthropomorphized** landmass] <Edited>

17. The Dead Sea formed inside of one of these structures, which form where a mantle plume causes a continental plate to separate, For 10 points each,

[10] Name these structures, which typically expand to form basins or valleys like the Great one in East Africa.

ANSWER: **Rift**

[10] The triple junctions that form near rifting continental hot spots tend to form two successful rift valleys and one of these failed rift structures.

ANSWER: **Aulacogen**

[10] Aulacogens and rifts can contain these structures, pairs of normal faults with a block of land lowered beneath two surrounding blocks. Their inverse, which often occur next to these structures, are horsts.

ANSWER: **Graben**

18. Answer some questions loosely connected by the editor's obsession with Lars Iyer's essay "Nude In Your Hot Tub, Facing the Abyss (A Literary Manifesto After the End of Literature and Manifestos)" for 10 points each:

[10] Iyer discusses this concept. Bachelard discussed the *Poetics* of this concept as not the locus of objects, but rather of consciousness in a work that discusses the "topography of intimate being" by looking at, for example, drawers. Henri Lefebvre wrote about the *Production* of this.

ANSWER: **space**

[10] "Whoever writes is exiled from writing, which is the country - his own - where he is not a prophet," a very typical line from this thinker's *The Writing of Disaster*, is quoted as the heading of one section of Iyer's essay. This philosopher analysed the very possibility of writing in *The Space of Literature*.

ANSWER: Maurice **Blanchot**

[10] Iyer lists writers whose work he sees as "revolutionary and tragic, prophetic and solitary, posthumous, incompatible, radical and paradoxical" that includes this *philosophe* and chief editor of the *Encyclopédie*.

ANSWER: Denis **Diderot**

19. David Lewin's long-unpublished analysis of the song "Morgengruss" from this cycle helped inspire the element of time-span reductions in Jackendoff and Lerdahl's generative theory of tonal music. For 10 points each:

[10] Name this song cycle about a journeyman who ultimately drowns himself in a brook, which is represented by a rolling 8th or 16th note accompaniment.

ANSWER: *Die **schöne Müllerin*** [accept answers like *The **Maid in the Mill*** or *The **Miller's Beautiful Daughter***]

[10] *Die schöne Müllerin* was written by this diminutive Austrian whose other song cycles include *Winterreise* and *Schwanengesang*.

ANSWER: Franz Peter **Schubert**

[10] This through-composed Schubert setting of a Heinrich Heine poem about a man passing the house of his lost love is the penultimate lied in *Schwanengesang*. It begins with four bar-long block chords in the piano outlining a B-A sharp-D-C sharp ostinato.

ANSWER: "Der **Doppelgänger**"

20. In West Bengal, the entire week of this deity's celebration is a public holiday, since it's the most popular *barowari* in the area. For 10 points each:

[10] Name this deity whose namesake festival involves the creation of numerous *pandals* in what probably ends up being the largest outdoor art show on earth.

ANSWER: **Durga** [prompt on **Parvati** or **Shakti**]

[10] Analogously to Durga Puja, in Bengal this other holiday is often called Kali Puja. This festival of lights is the best-known Hindu holiday abroad.

ANSWER: **Diwali** [or **Deepavali**]

[10] This Bengali mystic described Kali as the "universal mother." His student, Swami Vivekananda, represented Hinduism at the World Parliament of Religions.

ANSWER: **Ramakrishna** Paramahansa [or **Ramkrishno** Poromohongsho] <Edited>

## EXTRA BONUSES

1. Answer the following about Camille Saint-Saens' interactions with quartets, for 10 points each.

[10] Saint-Saens' Serenade in E-flat major is scored for piano, violin, viola or cello, and this instrument. Saint-Saens' Symphony No. 3 features this large instrument, which Cesar Franck taught at the Paris Conservatory.

ANSWER: **organ**

[10] Another piano quartet by Saint-Saens, which features a harmonium or organ, is styled as one of these pieces in F major. These pieces often are in 6/8 time, evoking the strokes of the Venetian gondoliers who sang them.

ANSWER: **barcarolles**

[10] Saint-Saens' Piano Quartet in E major is not only in only three movements, but has an *Allegro* finale with this tempo marking, meant to indicate vigorous playing. An *Allegro* with this marking is also the finale of the New World Symphony.

ANSWER: **con fuoco**