

Terrapin Invitational Tournament 2013: “Make your own judgments, but we wrote this set in good faith”  
Packet by Chris Ray

Tossups

1. This novel’s author became an unwitting pioneer in product placement after receiving a lifetime supply of Orangeine, which is offered to overtaxed workers in Ms. Regina’s shop. A panicked claim that the protagonist had been visiting a dressmaker raises suspicion over an innocent cup of tea at the Benedick in this novel, which includes several veiled discussions about collecting “americana.” Its sexiest scene takes place in a garden at the Wellington Brys’ after the protagonist presents herself as a Reynolds portrait and ends up kissing Gerty Farish’s cousin. The protagonist’s crippling bridge addiction drives off Percy Gryce, and she later rejects Simon Rosedale by burning love letters implicating Bertha Dorset, after a refusal to provide sexual favors to Gus Trennor triggers her ostracism from New York high society. Lawrence Selden discovers the overdosed body of Lily Barth at the end of, for 10 points, what novel by Edith Wharton?

ANSWER: *The House of Mirth*

2. This site was home to a scary-ass snake who regularly terrified locals until being snatched by a bird, shortly before a group of men plunged their hands into vats of blood during a work stoppage here. In a divination ritual at this site, arrows were thrown at the feet of a statue of Hubal. Four leaders grasped corners of a cloak to resolve a construction project dispute at this site, around which a 20-mile perimeter banning violence was traditionally observed. This site is covered by the *kiswa* and lies near a shrine encasing the footprint of Abraham, who supposedly built it with his son. This subject of the *ṭawāf* lies west of the Zamzam Well in the Masjid al-Ḥarām, and is home to the Black Stone. Circled seven times during the *ḥajj*, for 10 points, name this cuboid building in Mecca and holiest site in Islam.

ANSWER: the Kaaba or al-Ka‘bah [accept al-Masjid al-Ḥarām or the Cube before mention; prompt on “Mecca”]

3. The main issue underlying this property was first pointed out by Dicke and Peebles, who suggested that an explanation is necessary to figure out why initial gravitational and kinetic energies were approximately equal, as that implies a zero-energy system. A conundrum named for this property is centered around the fact that the difference in a variable often represented by omega grows by time raised to the 2/3 power in the FLRW model. This property is possessed by a certain object because the ratio of the actual density to critical density is one, meaning that the equation of state parameter is also one. Along with the monopole and horizon problems, this property gives its name to a problem solved by a model of cosmic inflation. Experiments by WMAP suggest that our universe assumes this topology to one part in 10 to the 50. For 10 points, identify this spatial topology characterized by zero curvature.

ANSWER: flatness

4. One musician who plays this instrument created an instrument he named the “RoyEl”; that musician is Future Man. Another musician who played this instrument worked with Bill Evans on albums like *New Jazz Conceptions* and *Portrait in Jazz*. Paul Motian played this instrument primarily, and another man who played this instrument was nicknamed “Klook” and played with Dizzy Gillespie on albums like *The Giant* and *The Source*. Kenny Clarke played this instrument that was also played by a bandleader who recorded albums like *The Witch Doctor* and *The Freedom Rider* with his Jazz Messengers. One of the most famous men to play this instrument in jazz was Buddy Rich. Played by Art Blakey, for 10 points, name this percussion instrument frequently played with two sticks.

ANSWER: jazz drums [prompt on “percussion” before mention]

5. One conspirator against this man attempted to hide from him by falling off a horse and throwing up rabbit’s blood, then placing a ram in a coffin and burning it in his place. A section of Cassius Dio’s *Historia Romana* relates that this man once threatened the Senate by holding up the severed head of an ostrich and grinning at them. This

emperor claimed the title “Germanicus Maximus” after signing a peace treaty and ending the Marcomannic Wars, which were waged by his predecessor. This emperor was strangled in a bathtub by the wrestler Narcissus as a part of a conspiracy engineered by his mistress Marcia, leading to the ascension of Pertinax. In 192, this emperor assigned one of his names to each month of the year and renamed Rome. For 10 points, name this asshole Roman emperor, the son of Marcus Aurelius, who ascended to power after his father’s death in 180 CE.

ANSWER: Marcus Aurelius Commodus Antoninus Augustus

6. Rorty’s *Achieving Our Country* extols this philosopher as embodying the American spirit of Whitman’s *Democratic Vistas*, identifying him as the “progressive Left” in contrast to the “critical Left” of Lyotard. This man argued that the first title entity is created only in response to “negative externalities” in a tract describing how corporate influence and vulgar pop culture had created an “eclipse,” but not the “phantom” imagined by Walter Lippman. He described man as the “live creature” in his major text on aesthetics and challenged the stimulus-response model in an early *Psychological Review* article, but is best known for a work claiming that the formation of the mind resulted from an interplay between the individual and community. The author of “The Reflex-Arc Concept in Psychology” and *Art as Experience*, for 10 points, name this American pragmatist who wrote *Democracy and Education*.

ANSWER: John Dewey

7. In recent years, numerous teens taking doxycycline for acne were terrified into thinking they had developed cancer of this organ from actually benign ulcerations. Alcoholism-associated damage to this organ occurs in Mallory–Weiss syndrome, while Hammond’s Crunch is a creepy sign indicating that it may have experienced a Boerhaave rupture. The Sellick procedure compresses this organ by putting pressure on the cricoid cartilage, while muscular difficulties associated with it occur in achalasia. This organ does not normally contain goblet cells, though in a disorder named for Barrett they can replace some of its squamous epithelial cells. This organ is ciliated in amphibians, while in humans its lower portion meets the cardia to form the angle of His, which prevents it from being damaged by stray acid. A bolus passes through this organ, which pierces the diaphragm, thanks to peristalsis. For 10 points, identify this organ often damaged in gastric reflux disease, a long tube between the mouth and stomach.

ANSWER: esophagus

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8. A demilitarized zone extending south from this location was established by the Tánggū Truce. Troops fleeing the battle of Rèhé fell back to this location, defended in the ensuing Operation Nekka. One of the stupidest decisions undertaken at this site was apocryphally blamed on the concubine-theft of Chén Yuányuán, which prompted an enraged Wú Sāngui to request Dorgon’s help in killing Lǐ Zìchéng. That action, which led to the downfall of the Míng dynasty, occurred at Shānhǎi, one of the three major routes through this location. Wáng Zhèn was executed by subordinates for stupidity after leading a march between two fortresses in this site, allowing angry Oirats to capture the Zhèngtǒng Emperor in the Tǔmù Crisis and leading the Míng to abandon the portions of this location lying north of the Ordos Desert. The first major project establishing this location was launched in reaction to the Xiōngnú by Qín Shì Huáng. For 10 points, identify this location defined by a massive network of jumbled fortifications in Northern China, which is not actually visible from space.

ANSWER: the Great Wall of China [prompt liberally on “China,” “northern China,” “Manchuria,” etc.; accept Dàtóng or Xuānfǔ at any point; accept Shānhǎi Pass or Tǔmù Fortress before mentioned; accept China’s northern border or equivalents]

9. After a character in this show rips off a Corona top with her teeth before explaining that her name is “with a K” but still pronounced like “taco.” The protagonist of this show complains about Tally, who lucked into having a boyfriend who downed a bottle of Percocet and crashing his vintage car. Another character in this show is told, “you

look like a slutty von Trapp child” by her friend’s gay ex-boyfriend, whom she later has one-thrust sex with. After smoking marijuana that happened to come in this “funny little glass pipe,” one of its characters flees bottomless through the streets from desperate calls of “I’m your crack spirit guide!” from the manager of Cafe Grumpy, Ray. That character, who loses her virginity after a surprise wedding at the end of Season 1, is portrayed by David Mamet’s daughter Zosia. For 10 points, name this Judd Apatow–produced HBO show created by Lena Dunham, whose titular figures include Shoshanna, Jessa, Marnie, and Hannah.

ANSWER: **Girls**

10. In one of this author’s novels, people discover that they are no longer able to die, until an organization called the Maphia discovers a way to kill them. One of this author’s novels follows the trek of a pachyderm named Solomon, who was given as a gift to Archduke Maximilian. This author wrote a novel in which a history teacher rents a film and becomes obsessed with meeting an actor who looks just like him. In one of this man’s novels, the doctor’s wife stabs the leader of a gang of hoodlums in the neck with a pair of scissors, and leads several people who cannot see out of a quarantined asylum. This author of *The Double* wrote a novel in which the Iberian Peninsula breaks off from the rest of Europe. For 10 points, name this Portuguese author of *Blindness* and *The Stone Raft*.

ANSWER: José **Saramago**

11. One composition of this type is Max Bruch’s op. 75 in A minor, essentially his fourth violin concerto as it’s longer than the other three. In one piece partially titled by this word, a melancholy waltz sprinkled by virtuosic passages, like arpeggios on C-sharp and G-sharp, recalls the street guitarists of Rio. That piece precedes “Festa no sertão” in *Ciclo brasileiro* by Villa-Lobos and is titled “Impressions of a musician” described by this word. Right-hand E-B chords play between left-hand eighth-note Es in the third part of Debussy’s *Children’s Corner*, one of these “for a doll.” Vaughan Williams wrote one “to music,” Britten wrote one “for tenor, horn, and strings,” and Elgar’s E minor, Tchaikovsky’s C major, and Dvořák’s E major are all ones “for strings.” The theme G, D G, D G D G B high D opens Mozart’s thirteenth and last work in this genre, *Eine Kleine Nachtmusik*. For 10 points, what term, derived from the Italian for “calm” or “evening,” names a genre of music often played by a lover under a woman’s window?

ANSWER: **serenade**

12. These forces can cause a type of spectral line broadening that can be described by a Lévy distribution. Langbein developed an “exact” representation for these forces based on a macroscopic theory put forth by Lipschitz, which accounts for retardation and many-body interactions. Pairwise addition is used to calculate the strength of these forces between spherical bodies in a method developed by H. C. Hamaker. One possible explanation of the Casimir effect is that it arises from these interactions between parallel uncharged conducting plates, and these interactions account for the attractive term in the Lennard–Jones potential. One type of these anisotropic forces is named for Keesom, and another kind named for Debye occurs between a permanent dipole and an induced dipole. The strength of these forces is proportional to the negative sixth power of distance. Another type of these forces occurs between instantaneous dipoles and is called London dispersion forces. For 10 points, name this class of weak intermolecular forces named for a Dutch chemist.

ANSWER: **van der Waals** forces

13. The Japanese psychoanalyst Takeo Doi challenged this theory with his concept of *amae*. An extension to this theory postulated the idea of proper attunement to create the subjective self in a book by Daniel Stern. Jerome Kagan argued against this theory by claiming heredity was more important and related it to temperament. The creator of this theory applied it in a documentary made with James Robertson. Growing out of the theory of “maternal deprivation,” this theory was explored by an experiment where infants are separated and reunited with their parents called the “Strange Situation” study of Mary Ainsworth. It classifies children as secure, avoidant,

ambivalent, or disorganized. For 10 points, name this psychological theory originally formulated by John Bowlby that explains how the parents' relationship with their child influences development.

ANSWER: attachment theory

14. One justice wrote in his decision for this case about a hypothetical person with "extraordinary artistic talent" in declaring one situation constitutional. This decision was upheld in the later case *Gratz v. Bollinger*, and part of the opinion of one justice ruling in this case noted that a "plus system" would be constitutional. The plaintiff in this Supreme Court case had worked at NASA and served in the Marines. Lewis Powell wrote the opinion for the court in this case, and his opinion cited Title VI of the Civil Rights Act. The plaintiff was a 33-year-old veteran who was not admitted into the medical school of the namesake university in this case. For 10 points, name this 1978 case that declared specific racial quotas in university admissions unconstitutional.

ANSWER: Regents of the University of California v. Bakke [accept either]

15. In a short story by this author, the confectioner Edward Freeley is ruined after the title figure identifies him as the criminal David Faux. In the companion story to that work, the revived corpse of a maid prompts Latimer to discover that his wife Bertha is about to poison him, confirming his lifelong distress over his telepathic abilities. This author of "Brother Jacob" and "The Lifted Veil" wrote a collection in which Tina Sarti is loved and lost by Maynard Gilfil and a series of misfortunes befall Amos Barton while he preaches near Milby. An election in Treby Magna serves as the backdrop for a love triangle between Harold Transome, Esther Lyon, and the titular "radical" in a novel by this author of *Scenes of Clerical Life*. William Dane's frame job forces another of this author's title characters to leave Lantern Yard for Raveloe, where he raises the orphaned Eppie. For 10 points, identify this author of *Felix Holt the Radical*, *Middlemarch*, and *Silas Marner*.

ANSWER: George Eliot [accept Mary Anne Evans]

16. James Barry made a self-portrait in which he depicted himself as an artist that was born in this polity. Angelica Kauffman painted an artwork that showed one artist, who was born in what is now this country, selecting his models. Two named Ignorance and Suspicion are the subject of a painting by Botticelli that tried to recreate an artwork made by a master who was born here; that painting by Botticelli shows "The Calumny" of an artist born here. A legend about an artist born in this polity states that he painted grapes so realistically that even birds were deceived, but he still lost a painting contest. Red-figure painting and black-figure painting are two ways that this polity's culture decorated their vases. For 10 points, identify this ancient country home to Zeuxis and Apelles, known for leaving behind murals at sites like Paestum and Athens.

ANSWER: Ancient Greece

17. A mythical ruler from this modern-day country was tricked into attending a dwarven wedding only to return two centuries later and find it conquered; that king, Herla, became the basis for this country's variant on the Wild Hunt myth. A temple in this country to the deity Nodens may have inspired its "Green Man" architectural motif. One of this country's most popular folk legends describes a young bride who suffocates in a chest beneath a branch of mistletoe during a game of hide-and-seek. According to one of its legends, a seafaring hero left a snare drum that can supposedly be used to summon him in an hour of national danger. This country's more famous national mythos include a crippled ruler whose kingdom decays around him until the arrival of Bors and two other heroes. The Battle of Camlann saw the death of this country's greatest mythical figure at the hands of Mordred, after which he departed for Avalon. For 10 points, identify this modern-day country mythically founded by King Arthur.

ANSWER: England [accept Great Britain or the United Kingdom; anti-prompt on "Scotland" or "Wales" since there's plenty of overlap, though the clues are technically exclusive]

18. One commander at this battle had been locked up after trying to take over St. Michael's Mount, but convinced his jailer that they should leave his confused wife in charge and run off to the front together. This clash saw a man

lose both legs but continue to wave his standard, until more soldiers showed up and cut off more parts of him. This battle turned after the Earl of Northumberland failed to respond when the Duke of Norfolk, John Howard, was stymied by the Earl of Oxford in a marsh later called “Redemore.” The losing commander then rushed toward his counterpart but was surrounded by troops under the Stanleys, who had been waiting to pick the most favorable side. Taking place near Ambion Hill, this battle led to the downfall of a regent who had imprisoned Edward V and his brother in the Tower of London before disappearing them. For 10 points, name this 1485 battle whose victor became Henry VII and founded the Tudor dynasty after defeating Richard III to end the War of the Roses.

ANSWER: Battle of **Bosworth**

19. This author’s obsession with “maternal darkness” is discussed in Paglia’s *Sexual Personae*, whose section “Amazons, Mothers, Ghosts” explores “[this author] to Gothic.” This author created a character who marries the Amazon Natalia and encounters the tomboy Mignon and Lothario’s Society of the Tower after joining an acting troupe. Literature’s most famous invitation to ass-licking is delivered by the title figure of this man’s drama about a mercenary in the Peasants’ War who sports an iron hand. This author of *Gotz von Berlichingen* and the travelogue *Italian Journey* is better known for a character who is buried under a linden tree after meeting with Fraulein von B and reciting Ossian to his beloved, whose marriage to Albert is recounted in a series of letters culminating in a suicide. For 10 points, name this German author of *Wilhelm Meister’s Apprenticeship* and *The Sorrows of Young Werther*.

ANSWER: Johann Wolfgang von **Goethe**

20. Elliot Mendelson proved the independence of a weak form of this statement and a consequence of it is Vitali’s theorem. A proof using this statement involves showing that the intersection of all towers is a chain. This statement is used in proving the Lowenheim–Skolem theorem by implying the existence of a function that maps  $M$  to the  $n$  to  $M$ . Zermelo first used it to prove a theorem that for every set there is some relation such that every subset of that set has a least element. The continuum hypothesis was shown to be independent of ZFC plus this statement by Paul Cohen, and it is equivalent to Zorn’s Lemma and the well-ordering principle. For 10 points, name this set-theoretic axiom that informally states that we can come up with a function that will pick things for us.

ANSWER: **axiom of choice** [accept **Zorn’s** lemma or **well ordering** principle before mention]  
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## Bonuses

1. In February 2013, several hundred angry gunmen took a boat trip to this state’s town of Lahad Datu to enforce Jamlul Kiram III’s claim to the Sulu Sultanate. For 10 points each:

[10] Identify this state, the second largest in Malaysia after Sarawak, where negotiations to end the recent crisis now centrally take place between the remaining rebels and a few F/A-18 Hornets from the Malaysian Air Force.

ANSWER: **Sabah**

[10] Sabah, lying on the northern tip of Borneo, has long been the subject of disputes between Malaysia and this other nearby country, whose capital is Manila.

ANSWER: The **Philippines**

[10] The invading Sulu forces were distressed to learn that this pro-beheading separatist group helping out, perhaps because most of their leadership had been trained by the Malaysian military. This group, which broke from its political organization in the 1970s, seeks an autonomous Muslim state in Mindanao.

ANSWER: **Moro Islamic Liberation Front** [or **MILF** or **Jabhat Tahrir Mooroo al-Islamiyyah**; do not accept “MNLF”]

2. Answer the following about famous speeches with something in common. For 10 points each:

[10] This 1964 speech by Malcolm X expressed distrust that advent of voting rights would be any different from “running from the wolf to the fox,” and suggested the second titular subject may prove necessary should the first one fail.

ANSWER: “The **Ballot or the Bullet**”

[10] Perhaps the most infamous speech delivered to the Russian Duma saw this man exclaim “stupidity or treason?” in reference to Boris Sturmer and the government in general. This man was the founder and major leader of the Constitutional Democrats, better known as the Kadets.

ANSWER: Pavel **Milyukov**

[10] This Virginian went into a deep depression reportedly after the church denied his wife a Christian burial due to her fatal demonic possession. He’d earlier delivered the influential “Give me Liberty or Give me Death” speech.

ANSWER: Patrick **Henry**

3. Identify the following about the use of probabilistic data structures and algorithms. For 10 points each:

[10] This data structure contains ordered elements of items that is accessed by using a hierarchy of pointers, with the lowest level pointer pointing directly to the next element; higher level pointers point further ahead in the sorted structure. Its access and removal times average to the same as the balanced binary search tree.

ANSWER: **skip list**

[10] Monte Carlo algorithms such as the Miller–Rabin primality test are part of this complexity class that can be reduced to Polynomial if the random factor in its formulation is removed.

ANSWER: **b**ounded-error **p**robabilistic **p**olynomial time [accept **BPP**]

[10] The best-known use of a randomized algorithm is the randomized version of this fast sorting algorithm, which works by randomly choosing a pivot.

ANSWER: **quicksort**

4. This author wrote an elegy for those who “kept thy truth so pure of old / When all our fathers worshipped stocks and stones” after Charles Emanuel II’s slaughter of Waldensians, his “On the Late Massacre in Piedmont.” For 10 points each:

[10] Identify this author who wrote that “the Sun himself withheld his wonton speed” in “On the Morning of Christ’s Nativity,” part of a major 1645 collection that also included “Upon the Circumcision.”

ANSWER: John **Milton**

[10] Milton’s 1645 collection also included *Arcades* and this other masque, which concludes after the nymph Sabrina is conjured by the Attending Spirit to liberate Lady from a the titular trickster’s chair of sexual deviancy.

ANSWER: **Comus**

[10] Milton described this biblical hero as in a closet drama that features the crumbling of a temple of Dagon. This dude lost his powers once his hair was cut by Delilah.

ANSWER: **Samson**

5. This man’s wife began a relationship with a bronze statue of him after his death, ultimately joining it on a pyre after her worried father put it to flame. For 10 points each:

[10] Identify this son of Iphicles and leader of the Phylaceans who landed at the head of 40 black ships and was quickly killed by Hector, the first Greek to die in the Trojan War.

ANSWER: **Protesilaus**

[10] Protesilaus was replaced by his brother Podarces, who fell in battle to Penthesilea, a leader of this group who had joined the Trojan cause. This group was descended from Ares, who gave another of their leaders a magical belt.

ANSWER: **Amazons**

[10] This Greek hero killed Thersites for mocking him for falling in love with Penthesilea after her death – or, depending on how you read it, for having sex with her lifeless body. He also killed Hector to take revenge for the death of Patroclus.

ANSWER: Achilles

6. Identify the following female senators from American history. For 10 points each:

[10] The widow of an Arkansan senator shocked her colleagues after using an invitation to stand in for Vice President Charles Curtis to announce she would seek new election in 1932. She won, becoming the first woman elected for a full term.

ANSWER: Hattie Caraway

[10] This Greek Orthodox Maine Senator who served much of her career with Susan Collins was a member of the Gang of 14. In January, she retired in disgust over congressional partisanship and incompetence.

ANSWER: Olympia Snowe

[10] This earlier Senator from Maine delivered the famous “Declaration of Conscience Speech” denouncing McCarthyism on the Senate floor. Later in her career, she criticized the Kennedy Administration for being a bunch of nancy boys who were afraid to nuke the Soviets into oblivion.

ANSWER: Margaret Chase Smith

7. These allow the phase velocity to exceed the group velocity, which is the derivative of this function with respect to wavenumber. For 10 points each:

[10] Name these equations which give the dependence of a wave’s frequency on its wavenumber.

ANSWER: dispersion relations [prompt on “dispersion”]

[10] Optical dispersion causes this phenomenon because light in a medium will have different speed at different frequencies, and thus different indices for this phenomenon. It is the mechanism behind prisms.

ANSWER: refraction

[10] The Abbé number measures how much a material experiences dispersion and is given in terms of the uppercase C, D, and F versions of these quantities. They were observed in the Sun’s spectrum, and the sodium doublet is the D<sub>1</sub>-D<sub>2</sub> pair.

ANSWER: Fraunhofer spectral lines

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8. This editor of *La Critica* espoused “absolute idealism” as underpinning his “Four Domains of Spirit.” For 10 points each:

[10] Identify this philosopher better known for exploring the link between intuitive and expressive knowledge and expanding the aesthetic theories of Kant, whose work was translated extensively by Collingwood.

ANSWER: Benedetto Croce

[10] A 1907 Croce essay is often translated as “What is Living and What is Dead in the Philosophy of” this German advocate of the dialectic who wrote *The Phenomenology of Spirit*.

ANSWER: Georg Wilhelm Friedrich Hegel

[10] Like Croce, this other leading Italian intellectual found himself on the wrong side of Giovanni Gentile and Fascism in the 1930s. This author of “The Revolution Against *Kapital*” is best known for his *Prison Notebooks* and for popularizing the concept of hegemony.

ANSWER: Antonio Gramsci

9. This play’s events include one in which the title figure asks Peter Patrone if he will marry her in the first scene, as well as a dance held to help fund Eugene McCarthy’s 1968 presidential run. For 10 points each:

[10] Identify this play that tracks the multi-faceted societal pressures on the title art historian.

ANSWER: *The* Heidi Chronicles

[10] Wendy Wasserstein was one of many recipients of this man’s namesake achievement award for American Theatre. This man is the author of *Picnic* and *Bus Stop*.

ANSWER: William Inge

[10] Wendy Wasserstein, also wrote a book called *Elements of Style*, which shares its name with a book by Strunk, and this other American author, who wrote a book about a pig that nearly gets axe-murdered in *Charlotte's Web*.

ANSWER: E.B. **White**

10. Rounds, canons, and fugues often use this musical technique. For 10 points each:

[10] Name this method of combining two or more melodies, each having melodic and rhythmic independence, but harmonic dependence.

ANSWER: **counterpoint**

[10] In 1725, this Austrian composer and music theorist published *Gradus ad Parnassum*, a highly influential treatise on counterpoint in the style of Palestrina's polyphony. In the five "species" of counterpoint this man systematized in *Gradus*, different numbers of notes are set against a cantus firmus made of whole notes.

ANSWER: Johann Joseph **Fux**

[10] The only perfect consonances permitted in first-species counterpoint are unisons, perfect fifths, and these intervals. It is forbidden to use parallel instances of these intervals, whose name is from the Latin word for "eighth."

ANSWER: perfect **octaves**

11. This man depicted a snowy road in *Street in Vétheuil in Winter* and also showed a dude relaxing with a fish hanging off the title structure in *The Boat Studio*. For 10 points each:

[10] Identify this artist known for a series of paintings about the cliffs of Etretat.

ANSWER: Claude **Monet**

[10] Monet's best known painting is a depiction of a sunrise that gave this movement its name.

ANSWER: **Impressionism**

[10] From 1890 to 1891, Monet made a series of paintings on these objects, examining their affects in sunlight, fog, and snow. Monet travelled to Norman farms to see them.

ANSWER: **haystacks** or **wheatstacks** or **grainstacks**

12. Answer the following about early Iberian literature. For 10 points each:

[10] This 16th-century Spanish work, a hallmark of picaresque literature, follows the titular scamp in his service to various corrupt church officials.

ANSWER: *The Life of **Lazarillo de Tormes** and of His Fortunes and Adversities* [or *La vida de **Lazarillo de Tormes** y de sus fortunas y adversidades*]

[10] The Battle of Aljubarrota seems to have inspired part of this work, which collects tale on the titular son of King Perion who fathers Esplandián after a night of illicit boning with Princess Oriana. Esplandián later tricks him down and murders him for defiling his mother, because Spain is crazy.

ANSWER: **Amadis of Gaul** [or **Amadis de Gaula**]

[10] Both *Lazarillo* and *Amadis* heavily influenced this veteran of the Battle of Lepanto, who referenced both works in his masterpiece *Don Quixote*.

ANSWER: Miguel de **Cervantes**

13. Construction on this fortification began after the signing of the Treaty of Tartu in 1920, which established a border between two countries on the Karelian Isthmus. For 10 points each:

[10] Name this defensive fortification constructed between Taipale and the Gulf of Finland.

ANSWER: **Mannerheim Line** [or **Mannerheim-linja**]

[10] The Mannerheim Line ultimately held during this 1939–1940 conflict between the Soviet Union and Finland. The Soviet Union attempted to reclaim land lost during its 1917 civil war, but was unable to fully conquer Finland again.

ANSWER: **Winter** War



[10] This Soviet general managed to penetrate the Mannerheim Line as leader of the 7th army during the Winter War. He broke the Siege of Leningrad as commander during Operation Iskra.

ANSWER: Kirill Meretskov

14. The practices governing this system are inclusive to most society members in Dobu, but restricted to elites on other islands. For 10 points each:

[10] Identify this system documented in a classic 1922 anthropology text, which centers around goods like red shell necklaces and white shell armbands.

ANSWER: the kula ring [or exchange]

[10] This Polish anthropologist investigated race relations in *Africa in Dynamics of Culture Change* and examined the kula ring in *Argonauts of the Western Pacific*.

ANSWER: Bronisław Malinowski

[10] This American anthropologist, author of *Copper Town: Changing Africa* and *Hollywood, the Dream Factory*, was a student of Malinowski. She documented interracial Mississippi in the 1930s in the study *After Freedom*.

ANSWER: Hortense Powdermaker

15. This phylum was traditionally divided into polychaetes and oligochaetes, but of course that's all gone to shit now. For 10 points each:

[10] Identify this invertebrate phylum that includes the friendly Mr. Earthworm and the overly-friendly Hirudinea, better known as Mr. Leech. They are often called "segmented" or "ringed worms."

ANSWER: annelids or Annelida [but they don't cause ring worm, which is a fungus, despite wikianswers defining "ringworms" as annelids "that eat humans"]

[10] Because they're so warm and fuzzy, some parasitic annelids possess the respiratory protein chlorocruorin, which is structurally similar to this globular protein with a heme group. The first protein to have its three-dimensional structure elucidated, it is found in muscle tissue, and is thus the reason why meat appears red.

ANSWER: myoglobin

[10] Taxonomic musical chairs has led trochozoans, like the annelids, to be regrouped into a superphylum along with organisms possessing this ciliated ring of tentacles surrounding the mouth. It is found in brachiopods and something called "moss animals," the bryozoa.

ANSWER: lophophore

16. This man was aided by Alexandre Banza in launching the Saint-Sylvestre Coup targeting Jean Izamo and David Dacko. For 10 points each:

[10] Identify this African dictator who massacred 100 schoolchildren for refusing to wear uniforms, who was branded a cannibal after several witnesses at his trial claimed that his walk-in freezer was not walk-out.

ANSWER: Jean-Bédél Bokassa [or Bokassa I or Salah Eddine Ahmed Bokassa]

[10] Bokassa spent around ten years ruining this geographically-appropriately named African country whose capital is Bangui.

ANSWER: Central African Republic [accept Central African Empire from hardcore Bokassa-ists]

[10] Bokassa was best buds with this French president who lost the 1981 election to Mitterrand after it was revealed that Bokassa had been greasing this leader's palms with diamonds stolen from the CAR. His economic program, overseen by Prime Minister Raymond Barre, included the launching of the TGV train.

ANSWER: Valéry Giscard d'Estaing

17. The east face of this monument features a female warrior sitting on a pile of weapons, and a relief of Faustulus encountering two young boys under a tree is shown on its west wall. For 10 points each:

[10] Name this monument, built to commemorate a certain emperor's return from Spain and Gaul, which was situated on the east end of the Campus Martius.

ANSWER: **Ara Pacis** Augustae [or **Altar** of Augustan **Peace**]

[10] On the north face of the Ara Pacis, a procession is led by a group of these people, who were known as *flamines*. In another sculpture, one of them named Laocoön is strangled by snakes along with his sons.

ANSWER: **priests** [do not accept “prophets”]

[10] This American architect designed a museum to house the Ara Pacis in Rome. He also designed the Getty Center in Los Angeles, and is seemingly obsessed with the color white.

ANSWER: Richard **Meier**

18. The molecule methylene is better known by this term, which it gave to a class of molecules featuring a two-valence neutral carbon atom with two unshared valence electrons. For 10 points each:

[10] Identify this class of molecules that were mostly unstable prior to the pioneering work of arch-badass A. J. Arduengo, who helped develop their “stable” form. Other examples of these are named for Fischer and Schrock.

ANSWER: **carbenes**

[10] Carbene is similar to one of these compounds, which entice wayward molecules by flaunting their unpaired valence electrons like covalent bonds waiting to happen. The neutral form of hydroxide is an example of one of these notably reactive compounds.

ANSWER: free **radicals** [do not accept “stars”]

[10] Particularly short-lived radicals can be detected with this technique, which uses a nitron imine to bond with them. This enables the radicals to be checked against indexed hyperfine coupling constants after being analyzed using EPR, essentially NMR applied to a certain property of electrons.

ANSWER: **spin trapping**

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19. Answer some questions about everyone’s favorite race, the Zerg. For 10 points each:

[10] The Zerg appear in several iterations of *Starcraft*, a game created by this company. It published the game *The Lost Vikings* under the name Silicon and Synapse in its early years, and faced controversy in 2012 when people could not access the game servers for *Diablo III* upon release.

ANSWER: **Blizzard** Entertainment

[10] In *Starcraft II: Heart of the Swarm*, you play as this character who is in control of the Zerg swarm. She seeks revenge on Arcturus Mengsk for ordering her assassination at the hands of Tychus Findlay and attempts to reunite with Jim Raynor.

ANSWER: **Sarah Kerrigan**

[10] These flying caster units are introduced to the Zerg in *Heart of the Swarm*. Their Blinding Cloud ability is a remake of the Protoss Corsair’s Disruption Web.

ANSWER: **Vipers**

20. Answer the following about English novelist Daniel Defoe. For 10 points each:

[10] Defoe wrote a picturesque novel about this woman, who was born from a woman imprisoned in Newgate, before being shipped to the Americas. She marries many times, including her half-brother, but ultimately returns happy to England at the age of 70.

ANSWER: **Moll Flanders**

[10] Defoe also wrote this novel, also about a woman, who runs through all of society by courting a prince and prostituting herself out, all the while being served by the loyal Amy.

ANSWER: **Roxana**: The Fortunate Mistress

[10] Ian Watt argued that Defoe’s novels instigated the principles “individualism” and “economic freedom” in a book length study of Defoe, Richardson and this other novelist who wrote *Tom Jones*.

ANSWER: Henry **Fielding**

21. The main character of this work eventually realizes he has no legs, arms, or face. For 10 points each:

[10] Name this anti-war novel about Joe Bonham.

ANSWER: **Johnny Got His Gun**

[10] *Johnny Got His Gun* is by this American author and screenwriter who was one of the Hollywood Ten, blacklisted for his communist sympathies. He also wrote *Eclipse*.

ANSWER: Dalton **Trumbo**

[10] Another member of the Hollywood Ten was the son of this writer, who often wrote about baseball in books like *You Know Me Al*. Yes, this bonus was phoned in.

ANSWER: Ring **Lardner**