



NASAT 2016
Round 12

1. In the Ninth Court of Appeals case *Sony v. Connectix*, the court ruled that copying this kind of program was fair use and not a copyright violation. Phoenix Technologies specializes in making this kind of software. A proof-of-concept rootkit designed to target this kind of software surfaced in 2007, a malware named IceLord, but the first Trojan that targeted this kind of software in the wild was Mebromi. Unified Extensible Firmware Interface was designed to improve upon this technology, since this program clumsily reads files from the hard drive to start an operating system. It is possible to overclock a computer by modifying this program, and it can be updated by "flashing" it. For 10 points, name this software that is used to initialize a computer during startup.

ANSWER: System **BIOS** [or **Basic Input Output System**; or ROM **BIOS**; or PC **BIOS**] <Jose>

2. A Kai von Fintel paper analyzes why people are able to declare as false the statement that one of their friends went on a drive with a person with this title. A paper by P. F. Strawson contrasts a sentence about Jones visiting a local swimming pool with one about a person of this title having yesterday visited an exhibition. The classic example of presupposition failure, which was introduced by Bertrand Russell, declares that a French holder of this title is bald. The rulers of Kallipolis would be both philosophers and hold this title, according to a section of *The Republic*. In Medieval Europe, these people claimed to have a "divine right" to hold power. For 10 points, identify these male monarchs who name the most important chess piece.

ANSWER: **kings** [or the **King** of France] <Droge>

3. In a religious scene, this artist depicted Judas as a turbaned man carrying a ladder. This artist arrayed the names of Blaise Cendrars and three other poets about an arrow-pierced heart in a painting depicting a man and woman joined at the hip inside a multi-colored clock face. After moving into the artist's residence La Ruche (roosh), or The Beehive, this artist painted an "homage" for housemate Guillaume Apollinaire. A man plants his right foot on a roof while playing the fiddle in a painting this man created after moving to Paris in 1910. A glowing tree branch is fed to a goat staring at a green-faced man in another painting by this man evoking his hometown of Vitebsk. For 10 points, name this Belarusian-born artist of *I and the Village*.

ANSWER: Marc **Chagall** [or Marc Zakharovich **Chagall**] <Gupta>

4. In a novel by this author, a Eugenio Montale translator ends his "cafard" by moving into a house with yellow walls. He wrote about a teenage boy who spends three weeks in bed before being cured by Swami Rutuola in a novel centering on the lives of the two men Hammer and Nailles. In a short story by this author of *Bullet Park*, Irene Westcott overhears a man beating his wife while spying on her neighbors using the title device. In another short story, he created a man who thinks his wife Lucinda is at the Westerhazy's as the seasons change as he travels home through many of the county's pools. For 10 points, name this American author of "The Enormous Radio" and "The Swimmer".

ANSWER: John Cheever <Collins>

5. This monarch financed a national history written by Polydore Vergil. A group of advisers to this man was called the "Council Learned in the Law" and included Richard Empson and Edmund Dudley. The expression "Morton's Fork" is named after an adviser to this monarch, who arranged marriages for his children in the Treaty of Perpetual Peace and the Treaty of Medina del Campo. The secret Star Chamber court gained power during the tenure of this king. This king defeated the rebellion of Lambert Simnel at Stoke Field, married Elizabeth of York, and benefited from the defection of the Stanley Brothers to win the Battle of Bosworth Field. For 10 points, name this monarch who reunified England after the Wars of the Roses.

ANSWER: Henry VII [prompt on Henry] <Droge>

6. This city is the setting of a poem which begins with a description of "black night, white snow" and controversially has Jesus appear during a blizzard in its last stanza. A story set in this city involves an Army lieutenant who consoles himself by eating pastries after being beaten by a tinsmith, as well as an opium-addicted painter who commits suicide after being rejected at a brothel. This setting of *The Twelve* titles a novel in which a time bomb in a sardine can is supplied by Dudkin to kill the senator Apollon Ableukhov. This city is the setting of a narrative poem in which Parasha is killed in a flood and Yevgeny is chased through the streets by a statue of Peter the Great. For 10 points, name this setting of Andrei Bely's "Nevsky Prospect" and Alexander Pushkin's "The Bronze Horseman".

ANSWER: St. Petersburg <Mehr>

7. A tailor named Franz Reichelt died at this location in a promotional stunt gone wrong. The Committee of Three Hundred, mostly consisting of artists and writers, was formed to denounce its construction. Professional archer Erika Labrie "married" this building in 2007. In 1925, con man Victor Lustig fraudulently sold this structure to a scrap metal dealer. In a book titled for this building, Roland Barthes noted that a writer often ate in this building to avoid seeing it. Early in its existence, it was the subject of an angry petition which called it "a gigantic black smokestack". A viral satirical tweet claimed that this structure's lights went out for the first time since 1889 to honor the victims of a 2015 terrorist attack. For 10 points, name this tallest structure in Paris.

ANSWER: Eiffel Tower [or Tour Eiffel] <Cheyne>

8. The diffuse placentae of these animals metabolize DHA into estrone and equilenin. The "frame overo" pattern is indicative of heterozygosity for lethal white syndrome in these animals. A zoonotic disease called triple E was first observed in these animals, and a less fatal "western" relative of that encephalitic virus was first isolated in San Joaquin Valley. The HRT drug Premarin consists of conjugated estrogens isolated from the urine of pregnant individuals of these animals. Ancestral traits such as the dun coat are seen in the last wild clade of these animals, named for Przewalski (pshuh-VAHL-skee). These animals belong to a namesake genus that once included quaggas. For 10 points, name these mammals in the genus *Equus*.

ANSWER: **equines** [or **horses**; or **zebras**; or other equines until "Przewalski" is read] <Smart>

9. A battle in this city inspired an opera by Canadian composer Tobin Stokes. An operation in this city was given a code-name meaning "the dawn" in Arabic and was a follow-up to Operation Vigilant Resolve. A diversionary tactic used during a battle in this city was an early assault of the Jurf Kas Sukr Bridge. The Silver Star was awarded to David Bellavia for his efforts in this city. A documentary partly titled for *The Hidden Massacre* claims that white phosphorus was used against civilians in this city. The murder of four Blackwater contractors here led to the first battle named for this city, where Operation Phantom Fury occurred several months later. For 10 points, what city was the site of a bloody 2004 "second battle" at which the Marine Corps fought the Iraqi insurgency?

ANSWER: **Fallujah** <Sundberg>

10. This civilization names a pigment formed by mixing palygorskite with indigo dye. Skilled artisans from this civilization crafted intricate, irregularly-shaped "eccentric flints". Its rulers wore decorative jadeite belt plaques. This civilization built clusters of three structures at the tops of monumental stairways, known as Triadic Groups, and surrounded quadrilateral plazas with E-Groups. This civilization's hieroglyphics are arranged in columns two blocks wide, and use bars and dots for its base-twenty number system. Much of this civilization's art can be found at Palenque (pah-LEN-kay), which is much smaller than sites such as Tikal and Chichén Itzá. For 10 points, name this Mesoamerican civilization known for its accurate astronomy and calendar.

ANSWER: **Maya** civilization [or **Mayans**] <Gupta>

11. The first one of these objects was created when Orestheus buried a stick birthed by his dog. Ampelos was transformed into one of these objects after being gored by a bull. A golden one of these plants was given to Tros in exchange for Ganymede, and was later used to bribe Memnon of Ethiopia to fight for Troy. Lycurgus cut off the nose and ears of his own son after mistaking him for one of these plants. After these plants began springing up on their ship, terrified pirates dove into the sea and became dolphins. Its products were sacred to a god whose followers, the Maenads, tore Pentheus apart, and who was born from Zeus's thigh. For 10 points, name this sort of plant whose fruit is used to produce a liquid sacred to Dionysus.

ANSWER: grape**vines** [or **grape** plants] <Brownstein>

12. A writer with this surname evoked the "golden fleece of nothingness" in a poem that advises the addressee to go to the company of his ancestors Gilgamesh, Hector, and Roland. In books such as *Report from a Besieged City* and *Epilogue of the Storm*, that author with this surname introduced his character Mr. Cogito. The line "My tender age in sorrow did begin" was written by another poet with this surname. An author with this surname stated "a heart alone Is such a stone as nothing but they power doth cut" in a poem whose speaker builds the title structure so that "these stones to praise thee may not cease". That author with this surname wrote pattern poems such as "The Altar" and "Easter Wings". For 10 points, give this surname of the religious poet of *The Temple*.

ANSWER: Herbert [or Zbigniew Herbert; or George Herbert] <Droge>

13. A notable public reading of this document was given under a sprawling oak tree by Mary Peake. In a cartoon by Currier and Ives, this legislation is represented with an axe, which its drafter claims "is the only thing that can fetch" a chained dog labelled "Rebellion". In his book *Forced Into Glory*, Lerone Bennett argued that this legislation was a "hoax" and had no effect whatsoever. After the issuance of this document, Giuseppe Garibaldi congratulated its drafter by saying that he had gained "a more enviable title than any crown could be". This legislation nominally ended the "contraband" status of certain people. Border states were notably excluded from the effects of this legislation, whose aims were actually achieved with the 13th Amendment. For 10 points, name this executive order issued on January 1, 1863, by Abraham Lincoln that "freed" all slaves in Confederate-held territory.

ANSWER: Emancipation Proclamation <Lou>

14. The equation for a flow in this thing can be solved using the momentum integral method of Kármán and Pohlhausen. Using non-dimensional variables, two partial differential equations describing the flow for this thing can be transformed to a single ordinary differential equation by the Blasius method. The first physicist to derive equations for the flow of this thing was Ludwig Prandtl. Vortex sheets that are not free can diffuse to form this thing. For a sufficiently high Reynolds number, a flow can be divided into an inviscid flow and a flow named for this thing. If friction is assumed to be zero, this thing can be assumed to be non-existent, allowing free slip of a fluid along the surface of a pipe. For 10 points, identify this "layer" of a fluid, near a bordering surface, where viscosity effects are important.

ANSWER: boundary layer [or boundary layer after "layer" is read] <Voight>

15. A set of principles first formulated by this economist were embedded into the World3 model in a book commissioned by the Club of Rome in 1972. He claimed that real income only rose with industrialization, with the rest of the world being stuck in his namesake trap. Anne and Paul Ehrlich were ideological followers of this economist. He argued that rent represented an economic surplus, sparking a debate with David Ricardo. He distinguished between positive checks, which increase the death rate, and preventative checks, which decrease the birth rate, in a book that states that food production expands linearly but population growth is exponential. For 10 points, name this economist who predicted an overpopulation catastrophe in *An Essay on the Principle of Population*.

ANSWER: Thomas Malthus <Droge>

16. This composer's violin concerto begins with the soloist playing a long D over the piano's glissando G major chord. This composer's only string quartet, Opus 11, includes a slow middle movement in B-flat minor that shifts between time signatures such as 4/2, 5/2, and 6/2. His violin concerto ends with a "Presto in moto perpetuo" movement, and his popular concert pieces include *Medea's Dance of Vengeance* and his overture to *The School for Scandal*. This composer's String Quartet had its middle movement arranged as a choral setting of the Agnus Dei, and as an orchestral setting that was broadcast at the announcements of the deaths of Franklin D. Roosevelt and John F. Kennedy. For 10 points, name this composer of *Adagio for Strings*.

ANSWER: Samuel **Barber** [or Samuel Osborne **Barber** II] <Kim>

17. This king ordered the deaths of Pallig Tokeson and his wife Gunhilde. This man's son-in-law was probably a traitorous adviser named Eadric Streona. At Corfe Castle, this man's advisers may have murdered his half-brother, Edward the Martyr. A mostly lost poem commemorates a defeat during this man's reign at Maldon near Northey Island. Legendarily, Saint Dunstan prophesied against this ruler because he defecated in a baptismal font as a child. Harald Bluetooth's daughter was killed during a massacre of Danes that ordered by this king on St. Brice's Day. This king's reign was interrupted by Sweyn Forkbeard, and he was the father of Edmund Ironside. For 10 points, what English king's nickname probably means "ill-advised", not "unprepared"?

ANSWER: **Aethelred the Unready** [or **Aethelred II**] <Cheyne>

18. In an essay about this play, its author describes how he wasn't able to write it until he had cataract surgery, causing his friends to once again be honest around him. In its original run, Jessica Tandy won her first Tony Award for her portrayal of a character in it. At the start of this play, a woman just misses a family member who has gone bowling. In this play, a man is told that his fiancée lost her job as a teacher because she was having sexual relations with one of her students. The protagonist of this play says, "I have always relied on the kindness of strangers", after she suffers a mental breakdown. For 10 points, name this play in which Blanche DuBois is assaulted by Stanley Kowalski, and which was written by Tennessee Williams.

ANSWER: A ***Streetcar Named Desire*** <Droge>

19. A group created to address this people produced a 1998 document titled "We Remember". Roger Aubert claims an incident involving a youthful one of these people persuaded Napoleon III to support Italian unification. They are the focus of a belief known as supersessionism. The word "perfidis" in describing them was removed from one text in 1960. It's not Italians, but one of them was forcibly taken from his family in the Mortara case. A controversial prayer at Good Friday services asked that the "veil" be removed from the hearts of these "faithless" people. Their persecution was called for and their "lies" described in a vicious 1543 tract by Martin Luther. For 10 points, the Catholic Church repudiated at Second Vatican the collective guilt of what people for Jesus' crucifixion?

ANSWER: **Jews** [or **Jewish** people; or **Yehudim**; prompt on **Italians**] <Cheyne>

20. A space named for this term is the dual of the quotient of the maximal ideal of a local ring and the product of maximal ideals, and is named for Zariski. An n -dimensional compact manifold with a copy of \mathbb{R}^n at a point with this relationship to the point is this type of space at that point. A curve's curvature is defined as the magnitude of the rate of change of a unit vector of this type with respect to arc length. In linearization, the value of a function at a point is approximated by calculating its value on this type of plane. The derivative of a function evaluated at a point gives the slope of one of these lines at that point. This term names a trigonometric function equal to sine divided by cosine. For 10 points, name this type of line that touches a circle at exactly one point.

ANSWER: tangent [or cotangent until "relationship" is read] <Collins>

21. A beauty pageant in this city featured contestants holding up a banner reading "Don't let them kill us" while in a basement. A photo of a dead couple from this city on a bridge was used for a documentary titled for its "Romeo and Juliet". Over sixty people were killed here in the Markale (MAR-kah-leh) market massacre, which some argue was a false flag bombing to obtain western support. A fifth grader in this city wrote a text published as *Zlata's Diary*. Many were killed in this city's "Sniper Alley", with violence not officially stopping until the Dayton Agreement. Army of Republika Srpska (SERPS-kuh) commander Dragomir Milošević (mee-LAW-sheh-veech) was sentenced to 29 years in prison for crimes against this city. For 10 points, what city was besieged for over a thousand days during the Bosnian War?

ANSWER: Sarajevo <Cheyne>

1. This person applied her psychological ideas to two mystery novels she wrote, *Murder Yet to Come* and *Give Me Death*. For 10 points each:

[10] Name this person, who with her mother, Katharine Cook Briggs, created a personality inventory test which classifies people as extroverted or introverted, among other characteristics.

ANSWER: Isabel Briggs **Myers** [prompt on **Briggs**]

[10] The most widely used psychometric test of adult personality was first published by this university and uses nine clinical scales measuring things like "hysteria" and "paranoia". That test was created by faculty members Starke Hathaway and J. C. McKinley.

ANSWER: University of **Minnesota**-Twin Cities [or **UMTC**; prompt on **U of M**]

[10] This effect suggests individuals will find descriptions of their personality from tests to be highly accurate even if it is a standardized, non-specific text. This effect is named for the psychologist who demonstrated it on his students or a famous American.

ANSWER: **Forer** effect [or **Barnum** effect] <Cheyne>

2. This character is nauseated by the smell of the rotting corpses of men and women who couldn't find their way out of a food cellar that she had discovered earlier. For 10 points each:

[10] Identify this unnamed character. She pretends to be sick after hopping into an ambulance so that she can stay with her husband.

ANSWER: the **doctor's wife** [or the **ophthalmologist's wife**]

[10] The doctor's wife is a character in what 1995 novel in which many unnamed characters, such as "the girl with dark glasses" and "the old man", end up quarantined in an asylum when a city is ravaged by the title affliction?

ANSWER: **Blindness** [or *Ensalo sobre a cegueira*; or *Essay on Blindness*]

[10] José Saramago (joo-ZEH sa-ra-MAH-goo), the author of *Blindness*, also wrote a novel titled for the "Gospel According" to this religious leader, whose "last temptation" was also described in a Nikos Kazantzakis novel.

ANSWER: **Jesus** Christ [or Jesus **Christ**] <Cheyne>

3. Nirvana's bassist Krist Novoselic (novo-SELL-itch) is a member of this group, whose largest membership is in Washington state. For 10 points each:

[10] Name this group co-founded by Oliver Kelley. Its attempt at creating publicly owned utilities were struck down by the Supreme Court case *Wabash v. Illinois* in 1886.

ANSWER: The National **Grange** of the Order of Patrons of Husbandry [or the **Granger** movement]

[10] The Granger movement supported what political and social cause advocated for by people like Susan B. Anthony, which was finally achieved with the passage of the 19th Amendment?

ANSWER: women's **suffrage** [or **women's right to vote**; or obvious equivalents]

[10] Many local granges established co-ops that were supplied by this man, a wholesaler and former employee of what became Marshall Field. His greatest selling innovation was copied by Richard Warren Sears and took heavy advantage of rural free delivery.

ANSWER: Aaron Montgomery **Ward** [or Montgomery **Ward**] <Cheyne>

4. He used the Buddha's concept of "dependent arising" to claim that conceptual reality is characterized only by "emptiness". For 10 points each:

[10] Give this thinker, founder of the Madhyamaka school.

ANSWER: Nāgārjuna

[10] Nāgārjuna is a key philosopher in this Buddhist branch, whose name means "Great Vehicle".

ANSWER: Mahāyāna Buddhism

[10] Nāgārjuna's only uncontested work is the *Fundamental Verses* on this concept, an early Buddhist term used to portray the Eightfold Path as between hedonism and asceticism.

ANSWER: The Middle Way <Marvin>

5. Like strontium, this element gives a dark, crimson red color in flame tests. For 10 points each:

[10] Name this metallic element that is found with copper in Gilman reagents.

ANSWER: lithium [or Li]

[10] Lithium is the only metal in Group 1 that can directly react with this molecule to form a binary ionic compound. This molecule reacts with hydrogen gas in the Haber process.

ANSWER: di-nitrogen [or N2]

[10] This extremely strong, non-nucleophilic base contains a lithium atom bound to a sterically hindered nitrogen atom. Unlike LiHMDS and LiTMP, deprotonation of ketones with this base tends to give E-enolates.

ANSWER: LDA [or lithium di-isopropyl·amide] <MacAulay>

6. In this ballet, the jealous Hilarion (ee-lahr-YAWN) schemes to uncover that the peasant Loys (loh-EESE) is in fact the rich nobleman Albrecht, who is already betrothed to Bathilde (bah-TEELD). For 10 points each:

[10] Name this Adolphe Adam (ah-DOLF ah-DOM) ballet in which the title peasant girl dies of a broken heart and returns as part of a vengeful group of ghosts called the Wilis (vee-LEE).

ANSWER: Giselle [or Giselle, ou les Wilis]

[10] The opening of Act II of *Giselle* introduces the Wilis in one of these sequences pioneered by Marius Petipa. They typically feature a large ensemble of backup ballerinas clad in long white dresses stretching down to the calf.

ANSWER: ballet-blanc [prompt on white ballet]

[10] Acts II and IV of this Petipa-revived ballet, especially the scenes in which Odette and her spellbound maidens dance in the forms of the title birds, are sometimes regarded as *ballet blanc*.

ANSWER: Swan Lake [or Lebedinoye ozero] <Kim>

7. Trp234 separates the "ATP path" from the "center path" in a "binding tunnel" for these compounds, present in the enzyme LC-FACS. For 10 points each:

[10] Name these compounds that can be synthesized by addition of malonyl-CoA and are broken down in two-carbon increments during beta-oxidation.

ANSWER: fatty acids

[10] This compound is made at every step of beta-oxidation. Pyruvate is decarboxylated to provide this compound as an input to the citric acid cycle, whose first step is to combine it with oxaloacetate.

ANSWER: acetyl-CoA [or acetyl-coenzyme A]

[10] In beta-oxidation of fatty acids with this characteristic, the final products are propionyl-CoA and succinyl-CoA (SUHK-sihn-uhl), which enter the citric acid cycle at a later stage. Fatty acids of this type are more common in plants than animals.

ANSWER: they have an odd number of carbons [or odd-chain fatty acids] <Gupta>

8. In this book, the protagonist encounters fairies such as "Mrs. Do-as-you-would-be-done-by" and Mother Carey. For 10 points each:

[10] Name this children's book in which the protagonist, a chimney sweep named Tom, drowns and is transformed into one of the title beings, in an odd melding of both religion and evolution, which this book was written in support of.

ANSWER: *The Water Babies, A Fairy Tale for a Land Baby*

[10] The author of *The Water Babies*, the Reverend Charles Kingsley, referred to people living on this island as "white chimpanzees", referring to a common British stereotype. Oscar Wilde was born on this island.

ANSWER: Ireland [or Eire]

[10] "The Chimney Sweeper" is the title of two poems written by this man. In one of these poems, a youthful speaker describes an angel who rescues the young boys who work as chimney sweepers, while in the other poem, an adult encounters a child chimney sweep abandoned in the snow.

ANSWER: William Blake <Cheyne>

9. This man was depicted in an incestuous relationship in a 1983 *Hustler* magazine parody of a Campari advertisement. For 10 points each:

[10] Name this Baptist minister, the founder of Liberty University and the Moral Majority, whose suit against *Hustler* led to a 1988 Supreme Court ruling which defended parodies of public figures as long as they could not reasonably be taken as true.

ANSWER: Jerry Falwell Sr.

[10] An earlier case referenced in the *Hustler* case was one involving Montgomery Commissioner L. B. Sullivan, who sued this newspaper for defamation and libel. The case involving this newspaper, "The Gray Lady", established the actual malice standard for such lawsuits.

ANSWER: *The New York Times*

[10] Another libel suit brought by a public figure came in 1982, when this commander of forces in Vietnam sued CBS for making him look foolish in its documentary *The Uncounted Enemy*

ANSWER: William Westmoreland <Cheyne>

10. Antebellum South historian Elizabeth Fox-Genovese was sometimes labeled as opposed to this ideology. For 10 points each:

[10] What ideology was branded as "stolen" in a 1994 book by Christina Hoff Sommers, who criticized the harmful influence of authors such as Susan Faludi and Camille Paglia on this ideology?

ANSWER: **feminism** [or answers containing **feminism** and word forms thereof]

[10] Sommers argues that feminism moved in an unwelcome new direction after adopting the writings of this German collaborator with Friedrich Engels and the author of *Das Kapital*.

ANSWER: Karl **Marx**

[10] Sommers is especially critical of this 1969 book by Kate Millett, which argues that various authors are patriarchal. Sommers believes this book claims that democracies are male-dominated hegemonic governments.

ANSWER: ***Sexual Politics*** <Cheyne>

11. During this siege, the defenders of Fort St. Elmo were beheaded, tied to crosses, and floated across the harbor, prompting the defending commander to fire the decapitated heads of his prisoners into the enemy camp. For 10 points each:

[10] Name this 1565 "Great Siege", during which Knights Hospitallers under the command of Jean de Vallette successfully held off a far superior Ottoman force.

ANSWER: Great Siege of **Malta**

[10] Ottoman hopes of dominating the entire Mediterranean were dashed by the Great Siege of Malta and this battle six years later, in which a Don John-led Holy League decisively crushed the Ottoman fleet.

ANSWER: Battle of **Lepanto**

[10] This historian of the Annales school characterized the Mediterranean as a "vast, complex expanse" and described Habsburg–Ottoman conflicts over control of it in his massive magnum opus *The Mediterranean and the Mediterranean World in the Age of Philip II*.

ANSWER: Fernand **Braudel** <Lou>

12. Jean-Marc Nattier painted this woman as Diana the Huntress. For 10 points each:

[10] Name this major patron of arts in early 18th-century France, the subject of many portraits by François Boucher (fron-SWAH boo-SHAY), including one where she wears a cameo depicting her royal lover.

ANSWER: Madame de **Pompadour** [or Jeanne Antoinette **Poisson**; or Marquise de **Pompadour**]

[10] In a portrait by Boucher at the Alte Pinakothek (ALL-tuh PEE-nah-koh-take), Madame de Pompadour is shown lounging in her boudoir (boo-DWAHR), having been interrupted while performing this activity.

ANSWER: **reading** a book

[10] Madame de Pompadour has been termed the "godmother" of this florid art movement that followed the Baroque. Fragonard, Watteau, and Boucher were its leading painters.

ANSWER: **Rococo** <Gupta>

13. Dwingeloo (JUH-ving-UH-low) I and II are a pair of galaxies that are only observed indirectly because of this structure. For 10 points each:

[10] Name this region of the sky obscured by the fundamental plane of a certain galaxy.

ANSWER: **Zone of Avoidance** [or **ZOA**]

[10] What galaxy creates the Zone of Avoidance?

ANSWER: **Milky Way**

[10] Dwingeloo (JUH-ving-UH-low) was detected by examining the spectral lines of a collection of this element. Transitions in energy levels of this most common element generates the 21-centimeter line.

ANSWER: **hydrogen** [or **H**] <Jose>

14. At the end of this novel, its main character decides to accompany Mrs. Wix back to England after Sir Claude is unable to break his bond with Mrs. Beale. For 10 points each:

[10] Name this novel whose juvenile narrator is ordered to spend half of the year with each of her divorced parents.

ANSWER: **What Maisie Knew**

[10] This American author of *The Bostonians* and *The Ambassadors* wrote *What Maisie Knew*.

ANSWER: Henry **James**

[10] In this other Henry James novel, Milly Theale leaves her fortune to Merton Densher when she dies of her terminal illness despite knowing that Merton is secretly engaged to her friend Kate Croy.

ANSWER: *The* **Wings of the Dove** <Droge>

15. This piece parodies the dull finger exercises of Muzio Clementi in its opening movement, "Doctor Gradus ad Parnassum". For 10 points each:

[10] Name this six-movement suite for solo piano whose final movement, "Golliwogg's Cakewalk", quotes a leitmotif from *Tristan und Isolde* between fast-paced jazzy outer sections.

ANSWER: **Children's Corner**

[10] This French Impressionist composer's piano pieces include *Children's Corner* and *Suite bergamasque*, whose third movement is "Clair de lune".

ANSWER: Claude **Debussy** [or Achille-Claude **Debussy**]

[10] This other French composer wrote a frenzied D minor concerto for two pianists and a G major setting of the "Gloria". In one of his operas, a convent of nuns sings the Salve Regina before their execution.

ANSWER: Francis **Poulenc** (poo-LONK) [or Francis Jean Marcel **Poulenc**] <Kim>

16. This novel's organization is fractured because its middle section, telling the story of Tom Outland discovering a cliff city in New Mexico, was written by the author earlier than the other sections. For 10 points each:

[10] Name this 1925 novel about Godfrey St. Peter, an academic at Hamilton University. St. Peter mourns the death of Tom, his prize student, and almost lets himself die during a gas leak in the title structure before being saved by the seamstress Augusta.

ANSWER: *The Professor's House*

[10] *The Professor's House* was written by this author, who also depicted frontier life in such novels as *My Ántonia* (AN-tuh-nee-uh) and *O Pioneers!*

ANSWER: Willa Cather

[10] In Cather's *The Song of the Lark*, this protagonist starts out wanting to become a pianist, before becoming a renowned opera singer. She is supported throughout much of the novel by family friend Dr. Howard Archie.

ANSWER: Thea Kronborg [or Thea Kronborg] <Cheyne>

17. Baldwin of Flanders was made emperor Baldwin I after this event. For 10 points each,

[10] Name this event in which massive looting broke out in retribution for the Massacre of the Latins twenty years earlier. Geoffrey of Villehardouin wrote an eyewitness account of this event.

ANSWER: Sack of Constantinople [or burning of Constantinople; or obvious equivalents; prompt on the Fourth Crusade]

[10] During the Sack of Constantinople, the crusaders from this city state behaved a bit more tamely, having captured the city of Zara for this naval power and longtime rival of Genoa.

ANSWER: Venice

[10] The Fourth Crusade was the brainchild of this Doge of Venice, who was blind and in his nineties at the time.

ANSWER: Enrico Dandolo <Droge>

18. This hero extinguishes nineteen burning fingernails and toenails given to him by a goddess of fire, but fails to stop the last from burning up the world. For 10 points each:

[10] Name this Polynesian trickster hero who uses his magic fishhook to draw the Pacific islands out from beneath the sea.

ANSWER: Maui

[10] This fire goddess cradles her unborn sister Hi'iaka under her armpit as she flees from Tahiti to Hawaii, where she creates a number of volcanoes before settling in Kilauea.

ANSWER: Pele

[10] In a myth of this ethnic group, a god of fire and thunder clashes every year with a water serpent to cause the seasons to change. The battle always ends with a stolen herd of cattle being returned in the form of rainfall.

ANSWER: Slavs [or Slavic people; or more specific Slavic groups, such as Russians or Poles] <Kim>

19. Simon Newcomb apparently discovered this law before its namesake did. For 10 points each:

[10] Name this statistical law which states that the distribution of leading digits is not random, with the digit "one" appearing in documents more than any other. It's often used to test for forged data.

ANSWER: **Benford**'s law

[10] For the distribution of digits that are subject to Benford's law, this quantity is equal to negative 0.548. It is often said to measure the "tailedness" or "peakedness" of a distribution and is the fourth moment of the distribution.

ANSWER: **kurtosis**

[10] Kurtosis is one of the moments for a distribution. The second moment of a distribution is this quantity, which intuitively measures how "spread out" a distribution is. It is equal to the square of the standard deviation.

ANSWER: **variance** <Jose>

20. This man called Don Lemon an "alleged journalist", prompting Lemon to smile and extend the middle finger. For 10 points each:

[10] Name this comedian whose turn at the 2016 White House Correspondents Dinner featured him comparing President Obama to Steph Curry because both men liked "raining down bombs on people from long distances".

ANSWER: Larry **Wilmore** [or Elister Larry **Wilmore**]

[10] Wilmore had an extended riff at the dinner where he joked about this Democratic presidential candidate's age, saying this Vermont Congressman's first campaign slogan was "fire".

ANSWER: Bernard "Bernie" **Sanders**

[10] Wilmore also made a joke about this African-American television personality having her MSNBC talk show cancelled. In February 2016, she angrily protested her show's frequent preemption for election coverage by sending an email saying "I am not a token, mammy, or little brown bobble head".

ANSWER: Melissa **Harris-Perry** [or Melissa **Harris**; or Melissa **Perry**; or Melissa **Harris-Lacewell**; or Melissa **Lacewell**] <Cheyne>

21. This man's maid, Ursula Bourne, is secretly married to his stepson, Captain Ralph Paton. For 10 points each:

[10] Name this character from a novel who was to marry the recently deceased Mrs. Ferrars, a woman being blackmailed by Dr. James Sheppard. Sheppard then kills this man and is exposed by Sheppard's neighbor, who is busy cultivating vegetable marrows in supposed retirement.

ANSWER: **Roger** Ackroyd [or Roger **Ackroyd**]

[10] *The Murder of Roger Ackroyd* is a novel featuring the Belgian Hercule Poirot by this female crime novelist who also created the amateur sleuth Miss Marple.

ANSWER: Agatha **Christie** [or Agatha **Miller**; or Lady **Mallowan**; or Mary **Westmacott**]

[10] *The Murder of Roger Ackroyd* is perhaps best known for this infamous twist ending, which was attacked by some critics at the time as a blatantly unfair literary device.

ANSWER: the **narrator is the killer** [or obvious equivalents; prompt on Poirot's **assistant is the killer**, the **protagonist is the killer**, or James **Sheppard is the killer**] <Cheyne>