

VCU Closed

February 2, 2013

Packet by Rutgers (Harrison Hsu, Chir Wei Stephanie Yuen) and UVa A (Evan Adams, Matt Bollinger, Tommy Casalaspi, David Seal)

1. During a truce in this war, one side blew up a French ship carrying millions of dollars worth of ammo, the *Altalena*, rather than let their allies keep it. One major city survived a siege thanks to the construction of the "Burma Road" by Mickey Marcus's forces. Both sides completely rejected a plan to end this war by Folke (*) Bernadotte, who was subsequently murdered; Bernadotte was replaced by Ralph Bunche, who negotiated this war's end on Rhodes. A mass exodus of 700,000 people called "the Catastrophe," or the *Nakba*, ensued after this war, which allowed Transjordan to annex the West Bank, although it lost this war in alliance with Egypt and other Arab nations. For 10 points, name this 1948 conflict that led to the birth of a Jewish state.

ANSWER: the Israeli War of Independence [or the 1948 Palestine War; or the Nakba before it is read]

2. One building serving this function is adorned with six bronze stars in the places where it was hit by Sherman's cannons. Elijah E. Myers, the only person to design three of these buildings, sued Edwin May in 1879 claiming crucial elements of his designs were ripped off. The tallest of these buildings is the thirty-four story art deco one in (*) Louisiana. Another building of this type was designed by Thomas Jefferson and contains Houdin's statue of George Washington. E. Townsend Mix designed one which is plastered with John Currys's murals of John Brown. The one in Minnesota is one of two designed by Cass Gilbert and features a golden quadriga in front of one of the largest unsupported marble domes in the world. For 10 points, name these buildings which usually contain two legislative chambers.

ANSWER: state capitol buildings [or statehouses]

3. In this novel's longest section, the title character watches as a cadet drops a cup and feigns pain so that a young woman might pick it up for him and later in that same section the protagonist overhears a plan concocted by a Captain of Dragoons to make him look like a coward with a rigged duel. The protagonist witnesses a smuggling operation in (*) Taman and foretells the death of a man who purposefully causes a pistol to misfire, Vulic, in this novel's last section. Maksim Maksimych relates the story of Bela, who was stabbed by Kazbich after her affair with this novel's protagonist, who also conducts an affair with Vera and caused Princess Mary to fall in love with him, prompting his duel with Grushnitsky, who dies after falling off of a cliff. For 10 points, name this novel about Pechorin, by Mikhail Lermontov.

ANSWER: A Hero of Our Time [or Geroi Nashego Vremeni]

4. This quantity, squared, is multiplied by three k squared in a rewriting of the Bohm-Gross Dispersion Relation. When cubed and multiplied by four πn , it gives a parameter that is greater than one for weakly-coupled materials and less for strongly-coupled ones. A formula for this quantity can be derived by solving Poisson's equation for ϕ after imagining a small (*) point charge affecting an equilibrium electron distribution. This quantity, which is proportional to the square root of absolute temperature over the electron density, gives the characteristic thickness of a double layer and arises from the fact that opposite charges shield each other. For 10 points, name this characteristic length important in plasma physics.

ANSWER: Debye length

5. **One major scandal during this man's time in office was the loss of records concerning fifty million pension claims. This man has proposed a policy that would have his National Bank print money for stimulus until inflation reaches two percent. His grandfather, who held the same position he now holds, was arrested as a (*) war criminal in 1945. He has often proposed revising his country's constitution to allow for greater military build-up. He became leader of his party in September after defeating Shigeru Ishiba in a run-off. For 10 points, name this leader of the Liberal Democratic Party who recently won a second term as Prime Minister of Japan.**

ANSWER: Shinzo Abe

6. **The title character of one novel by this author lusts after the hunchback Janey Davenport, whose potential suicide in Paris is described in the letters of Beagle Darwin. The title character of that novel by him also learns from Maloney the Areopagite. He also wrote about a man who only finds comfort when he envisions himself as a rock and spends a week at a Connecticut farm with (*) Betty, but strikes a woman repeatedly after she fails to seduce him, prompting her to tell her crippled husband, Peter Doyle, who accidentally shoots that character. This author created St. Puce, who lived in Christ's armpit, in a novel about traversing the bowels of the Trojan Horse. This author of *The Dream Life of Balso Snell* also described the painting "The Burning of Los Angeles" by Tod Hackett. For 10 points, name this author of *Miss Lonelyhearts* and *The Day of the Locust*.**

ANSWER: Nathanael West

7. **Jews in this city committed mass suicide rather than burn alive in Clifford's Tower during an 1190 pogrom. The Great Heathen Army of Ivar the Boneless seized control of this city, which became the Viking capital in England. A scholar born in this city devised the first Western European script with lower-case letters and spacing between words and headed the palace school at (*) Aachen. This birthplace of the scholar Alcuin was the namesake of a faction that took power after the battles of Towton and First St. Alban's, but fell after the Battle of Bosworth Field under Richard III. For 10 points, name this English city whose namesake house fought the House of Lancaster during the Wars of the Roses.**

ANSWER: York

8. **Brief shots in this movie include a scene of poker players using human ears as chips and Zoe Bell as a masked vigilante. In one scene in this movie, one character frantically demands that a woman stop playing *Für Elise* on the harp before staring at the books in a personal library. Another character in it is shot through a page of the Bible pinned over his heart. At that point in this movie, the protagonist wears a Thomas Gainsborough-inspired flamboyant (*)blue suit, and later, he is forced to watch impassively as a man gets ripped apart by dogs. After finding the Brittle brothers, the title character of this movie travels to Candyland to rescue his wife Broomhilda von Shaft with the German dentist and bounty hunter King Schultz. For 10 points, name this Quentin Tarantino movie about slavery.**

ANSWER: Django Unchained

9. In an Okanagan tale, Coyote received a wife from one of these creatures after he peed on the corpse of that one, and later, Coyote was unable to defecate because he killed that wife, who was also one of these creatures and prevented them from appearing further west. In a Pawnee story, Tirawa placed one of these in the northwest to hold back the great flood, but the world will be destroyed when it loses all of its hair. In an Assiniboine tale, Iktomi steals wives from a group of these creatures, and a Lakota myth tells how a (*) white one of these creatures provided the ceremonial pipe. In another Lakota tale, Iktomi tricked humanity into coming to the surface by hunting these creatures, and the Moon provided huge herds of these animals for starving people in a Pawnee story. For 10 points, name this large mammal, pivotal to the life on the Great Plains.

ANSWER: American Buffalo [or Bison]

10. This molecule's namesake oxidase is mutated in most version of Chronic Granulomatous Disease and is responsible for the phagocytic respiratory burst. This compound is required in each cycle of fatty acid synthesis to transform the carbon-3 ketone to a hydroxyl group. This compound is generated alongside 6-phosphoglucono-delta-lactone and ribulose-5-phosphate in the pentose (*) phosphate pathway, which is the primary source for this compound in humans. This substance is consumed by glutathione reductase, and in plants this compound is produced alongside ATP in the light-dependent reactions. For 10 points, name this phosphate-containing reduced dinucleotide, an energy carrier which is the end product of the photosynthetic electron transport chains.

ANSWER: NADPH [do NOT accept NAD or NADH]

11. One of these places, excavated by Antonio Ferrua and discovered in 1955, houses frescoes depicting Hercules raising Alcestis, Alcestis standing over the deathbed of Admetus, and Hercules clasping arms with Minerva, though more unique is one in which a group of men stand over a corpse, which has been identified as a medical lesson. Another of these sites features a damaged wall painting depicting a man talking to a woman holding a child, which has been controversially identified as the earliest depiction of (*) Mary, while other artwork found at these sites includes a ceiling fresco of the story of Jonah flanked by orants and all surrounding a depiction of the "Good Shepherd". Including sites named for Priscilla and St. Callixtus, which housed the bodies of several popes, these are, for 10 points, what underground burial chambers, often associated with the Christian persecutions?

ANSWER: catacombs of Rome [accept logical equivalents]

12. The American public's interest in this conflict was sparked by the murder of CBS correspondent George Polk. The second phase of this conflict erupted despite all sides accepting the British-brokered Caserta Agreement, and that second phase ended with the Varkiza Pact, which disbanded the EAM and its military arm, ELAS. One of the chief causes of the third phase of this war was the return of (*) George II, which was opposed by the KKE; George was succeeded by his brother Paul during this war. On March 12, 1947, \$400 million in aid for one side in this conflict was secured from Congress, on the grounds that the US should aid peoples fighting communism, establishing the Truman Doctrine. For 10 points, name this set of three conflicts from 1943-49 between communist and anti-communist forces in a Mediterranean country.

ANSWER: Greek Civil War [or Emphylios Polemos]

13. The 1920 case *Eisner v. Macomber* declared that one form of these things were not income. Special versions of them do not occur on a regular schedule. The Gordon model states that the value of a company is equal to the discounted value of all future incidents of these things. The largest one of them in history was a thirty-two billion dollar one by (*) Microsoft in 2004. Any profits a company earns that are not used in these things are considered retained earnings. The Modigliani-Miller model suggests that under ideal conditions, capital structure and a company's policy regarding these doesn't matter. For 10 points, name these periodic payments made by corporations to stockholders.
ANSWER: dividends [or dividend payouts]

14. A collection of stories in this language called the "Five Chapters" is framed as a wise man's effort to educate three stupid princes with animal fables. It's not Spanish, but in *One Hundred Years of Solitude*, Melquiades owns a set of prophecies that are encoded in this language. In a play in this language, a courtesan gives her impoverished lover jewels to buy his son a gold (*) cart to replace his current one made of clay. The title queen cannot make her husband remember her after dropping her signet ring in the river in a drama in this tongue. A famous writer in this language authored the poem *The Cloud Messenger* and the aforementioned play *Shakuntala*. For 10 points, name this language used by Kalidasa in ancient India.
ANSWER: Sanskrit

15. This experiment was the first use of the laboratory technique called LEED. This experiment used a gun consisting of a heated filament with an applied voltage as an accelerator, and this experiment recorded a crucially accurate wavelength of .167 nanometers using a Faraday box mounted on an arc. Using Bragg's predictions for (*) x-rays as a reference point, this experiment involved the measurement of the diffraction patterns of electrons that were fired in a beam at a nickel crystal. For 10 points, name this 1927 experiment conducted by two namesake American physicists that confirmed the de Broglie hypothesis of wave-particle duality.
ANSWER: Davisson-Germer experiment

16. Klijn and Reinink have argued the attribution of this practice by Philastrius to the Montanists is responsible for its attribution to the Cerinthians in Asia Minor, and John Chrysostom attributed this practice, which involved a man lying beneath a bed, to Marcionites. One possible reference to this practice in the Bible is the much-disputed 1 Corinthians 15:29, which hinges on the meaning of the preposition "hyper." This practice requires acceptance from the recipient to be valid, and it has been compared with a similar practice of (*) "sealings." One group's performance of this practice on Holocaust victims has elicited controversy. For 10 points, name this practice, common in Mormonism, in which another person receives a certain sacrament on behalf of a person no longer living.
ANSWER: baptism for the dead [or vicarious baptism or posthumous baptism or proxy baptism; or logical equivalents; prompt on baptism]

17. **This character goes by the name Mr. Campbell when he lives with Old Bill Barley at Mill Pond Bank. He fathers a child with a woman named Molly, who becomes a housekeeper after being acquitted of the crime of strangling a woman to death. This basis for a Peter (*) Carey title character goes by the name Uncle Provis while waiting for Mr. Wemmick to give a signal. His attempt to escape the country is halted when his rowboat is intercepted by his old partner-in-crime Mr. Compeyson. After being sentenced to death, he dies in a prison infirmary when he is told that his daughter is alive and well. After a young child gives him some food and a file, this character is taken to Australia where he makes a fortune in sheep. For 10 points, name this father of Estella and secret benefactor to Pip in *Great Expectations*.**

ANSWER: Abel Magwitch [or Abel]

18. **Kenneth De Jong introduced crowding methods to deal with one problem in these algorithms, of which Goldberg et. al developed a “messy” variant. Their inventor proved their effectiveness by finding an approximation for a function x_{i+1} in terms of x_i while proving the Schema Theorem. These algorithms should be used instead of hill climbing when applied to a (*) surface with many hills and valleys. These algorithms take an initial set of candidate programs, then eliminate the weakest based on a fitness function and create a new set via crossover and mutation. For 10 points, name this type of algorithm that finds an optimal solution to a problem using techniques inspired by natural selection.**

ANSWER: genetic algorithms

19. **He's not John Paul Jones, but Samuel Eliot Morison won a Pulitzer Prize for a biography titled after the rank this man was granted in the Capitulations of Santa Fe. Washington Irving's biography of this non-George Washington man inspired three Emanuel Leutze paintings and popularized or invented many of the myths about him. Mark Twain based Hank Morgan's eclipse trick on one of the feats of this man. He carried on a tense relationship with his underlings, the (*) Pinzon brothers. Francisco de Bobadilla relieved this man of the governorship of the Indies and sent him back to Spain in chains. He was granted the title Admiral of the Ocean Sea after his first voyage. The 1893 Chicago World's Fair was held to commemorate the four hundredth anniversary of this man's greatest accomplishment. For 10 points, name this man who sailed on the *Nina*, the *Pinta*, and the *Santa Maria* in 1492.**

ANSWER: Christopher Columbus [or Cristobal Colon]

20. **In one of this composer's works, the brass section plays a C major chord followed by a soft drumroll to represent the title character's death. Yehudi Menuhin replaced Fritz Kreisler to record this composer's *Violin Concerto in B Minor*. A mezzo-soprano sings “Softly and gently, dearly ransomed soul” at the end of another composition by this composer of the “symphonic study” (*) *Falstaff*. This composer of a two-part oratorio setting a Cardinal Newman poem also used the woodwinds to mimic the stutter of Dora Penny in the eleventh section, “Dorabella,” of a composition musically depicting his friends. For 10 points, name this English composer of the “*Enigma*” *Variations* and the *Pomp and Circumstance* Marches.**

ANSWER: Edward Elgar

TIEBREAKER / EXTRA

21. In his farewell address, George Washington referred to this concept as “the palladium of your political safety and prosperity.” A different president’s inaugural address announces that the “chorus of” this idea will be swelled by “mystic chords of memory” when touched by “the better angels of our nature.” At a Jefferson Day Dinner, Andrew Jackson fixed his eyes onto John C. Calhoun before confrontationally (*) toasting this idea. Daniel Webster roared that this concept was “one and inseparable” with liberty in his Second Reply to Hayne during the Nullification Crisis. This word was taken as the name of the Republican Party in the Election of 1864, echoing the Constitution’s stated purpose to “form a more perfect” one. For 10 points, name this word which denotes the states that refused to secede in the Civil War and fought against the Confederacy.

ANSWER: the Union

22. In this work, an academic reflects on how his affair with the Japanese woman Sono and his exclusive attention to his book *Romanticism and Christianity* ruined his marriage to his first wife, Daisy. This novel’s title character thinks disgustingly of “potato love” when embraced by Sandor Himmelstein and considers his lawyer Simkin one of his “reality instructors.” The protagonist of this novel grabs his father’s pistol after chatting with his stepmother (*) Tante Taube in Chicago, then waits outside his wife’s house to shoot her lover before seeing him bathe his daughter Junie. After his wife Madeleine leaves him for his best friend Valentine Gersbach, the title character works out a “need to explain” by writing letters to friends, former friends, and dead world leaders. For 10 points, name this novel by Saul Bellow.

ANSWER: Herzog

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1. Name these old-school musical instruments, for 10 points each.

[10] Bach and Telemann wrote sonatas and concerti for players of this instrument. Its features included strings tuned in fourths with a central third, sloped shoulders, and the need to grip the instrument between one's knees.

ANSWER: viol [or viola de Gamba]

[10] This instrument, though wooden, is categorized as brass like its descendant, the ophicleide. A transition from vertical grip to horizontal grip on this instrument has led to some difficulties in fingering the unkeyed holes. It is named after its convoluted shape, although frustrated performers have alluded to sin as well.

ANSWER: serpent

[10] This instrument, is unlike the piano in that its internal mechanisms pluck strings instead of hammering them. This instrument is also known for having the colors of its keys reversed relative to the piano, and it was played by Wanda Landowska and Glenn Gould.

ANSWER: harpichord

2. This family rose to power by defending Emperor Go-Shirakawa in the Hogen and Heiji Wars, then imprisoned Go-Shirakawa to rule during the Rokuhara Regime. For 10 points each:

[10] Name this Japanese clan whose defeat at the Battle of Dan-no-Ura sealed their loss of the Gempei War to the Minamoto.

ANSWER: the Taira Clan

[10] Minamoto no Yoritomo proceeded to establish a *bakufu*, using this title that denotes the military dictators who held real power in medieval Japan rather than the emperors.

ANSWER: shogun

[10] This samurai warrior from the Minamoto clan won the Battle of Dan-no-Ura for his brother Yoritomo, who then turned on him and forced him to commit *seppuku* lest he grow too powerful.

ANSWER: Minamoto no Yoshitsune

3. The fingerprint region in this technique's readout appears between 500 to 1500 inverse centimeters, and this technique is most useful for detecting functional groups. For 10 points each:

[10] Name this technique which uses radiation of a longer wavelength than visible light to probe the vibrational modes of compounds.

ANSWER: IR spectroscopy [or infrared spectroscopy]

[10] The stretching mode of aliphatic carbonyl compounds appear around this wavenumber on an IR spectrogram. Round to the nearest 100 inverse centimeters.

ANSWER: 1700

[10] The only modes that appear on an IR spectroscopy readout are those vibrational modes that change this property of the molecule.

ANSWER: dipole moment

4. This novel centers on a group of classics students at Hampden College who participate in frenzied bacchanals, partially inspired by Professor Julian Morrow.

[10] Name this debut novel of Donna Tartt in which Richard Pape and his friends kill their friend Bunny.

ANSWER: *The **Secret History***

[10] Hampden is based on Bennington College, where Tartt befriended this author of *Less than Zero*. In 2010 he wrote *Imperial Bedrooms*, in which the protagonist of *Less than Zero* has adapted its events into a screenplay.

ANSWER: Brett Easton **Ellis**

[10] This protagonist of Ellis's *American Psycho* finds a bone in an ice cream bar and confesses his multiple bizarre murders to Harold Carnes, only to find out that he most likely hallucinated his entire killing spree.

ANSWER: Patrick **Bateman** [or **Patrick**]

5. This work theorizes that religious ideals are simply externalizations of features already inherent in humans, and Max Stirner responded to it in *The Ego and Its Own*. For 10 points each:

[10] Name this philosophical work that claims belief in revelation "poisons" the innate moral sense of people and identifies humanity itself as the title concept.

ANSWER: *The **Essence of Christianity*** [or *Das **Wesen des Christentums***]

[10] *The Essence of Christianity* was written by this German philosopher, who first developed the book's ideas in his earlier study *Pierre Bayle*.

ANSWER: Ludwig **Feuerbach**

[10] Eleven short "Theses on Feuerbach" were written by this other German thinker who advocated historical materialism and emphasized the dialectical nature of class struggle.

ANSWER: Karl **Marx**

6. The heat equation and the wave equation are examples of the "partial" equations of this type. For 10 points each:

[10] Name this type of equation whose terms contain a function and its derivatives of various orders.

ANSWER: **differential** equations

[10] This method of solving partial differential equations assumes that the solution will be a product of a set of functions of single variables; that product solution is put into the original equation.

ANSWER: **separation of variables**

[10] This method of solving second-order ordinary differential equations, such as Bessel's Equation, assumes a solution in the form of a power series multiplied by $x^{-\alpha}$ to a power.

ANSWER: method of **Frobenius**

7. The title character of this novel trades books with the brigand Gian dei Brughi, leading to the criminal's pacification and eventual arrest and execution, which occurs after the title character finishes Henry Fielding's novel *Jonathan Wild*. For 10 points each:

[10] Name this novel in which Cosimo becomes the title figure, after escaping his parents' scolding for refusing to eat snails cooked by his sadistic sister Battista.

ANSWER: *The **Baron in the Trees*** [or *The **Rampant Baron***; or *Il **Barone Rampante***]

[10] In this novel by the author of *The Baron in the Trees*, Marco Polo describes the title locations to Kublai Khan as the two sit in the latter's garden. Examples include pipe-filled Armilla and the buried Argia.

ANSWER: ***Invisible Cities*** [or *Le **Citta Invisibili***]

[10] *Invisible Cities* is by this Italian author, whose trilogy *Our Ancestors* consisted of *The Nonexistent Knight*, *The Cloven Viscount*, and *The Baron in the Trees*. He also wrote *If on a winter's night a traveler*.

ANSWER: Italo **Calvino**

8. In addition to the constraints of coordinate structure and the sentential subject conditions, this event is prevented in higher order CPs by islands created when this event has already happened to the specifier of an embedded CP. For 10 points each:

[10] Identify this event, which in English is also accompanied by a T-to-C movement to fill the null [+Q] complementizer role.

ANSWER: **Wh-Movement** [or **Wh-Raising** or **Wh-Fronting**]

[10] Wh-movement occurs in sentences of this type, and its name comes from the prevalence of the letters "wh" at the beginning of words common to these sentences, like "why" and "when".

ANSWER: **questions** [or **interrogative** Sentences]

[10] As with other movements, Wh-raising is argued to leave these phonologically null grammatical occupiers in the syntactic structure. The prevention of wanna-contraction in certain questions is cited as evidence for them.

ANSWER: **traces** [or **gaps**]

9. Among the many Delphic oracles this figure cites are the one which led Thebes to seek an alliance with Aigina, as they were named for the same mythical sister, and one which required Athens to wait thirty years before avenging Aigina's attacks. For 10 points:

[10] Name this Greek writer, known both as the "father of history" and the "father of lies", who tells of the lead up to and the fighting of the Persian Wars.

ANSWER: **Herodotos** of Halikarnassos

[10] Other Delphic oracles reported by Herodotos deal with this kingdom, such as one which caused Alyattes to stop fighting Miletos to rebuild a temple to Athena, and one which led its king to fight against Persia and cause a great kingdom to fall, his own.

ANSWER: **Lydia**

[10] Herodotos also reports several oracles related to Kypselos's rise to power in this city, including his birth as a lion to his father Eetion, his overthrow of the Bakchiadai as rulers here, and the rule of his son Periander.

ANSWER: **Corinth** [or **Korinthos**]

10. One exemplar of this school painted *Pool at Gylieu* and *Lock at Optevoz*. For 10 points each:

[10] Name this school of painting whose members included Contant Troyon, Narcisse Virgilio Diaz de la Pena, and Charles-Francois Daubigny.

ANSWER: **Barbizon** School

[10] The most famous member of the Barbizon School was this French painter of *The Sheepfold*, *Moonlight* and *The Gleaners*.

ANSWER: Jean-Francois **Millet**

[10] This Millet painting depicts a heavily shadowed woman and man with heads bowed praying in a field, with a pitchfork thrust into the ground to the left of the man and a steeple on the horizon to the right of the woman.

ANSWER: *The **Angelus***

11. Neoteny is an example of this phenomenon, which is notably exhibited by the axolotl. For 10 points each:

[10] Name this effect in which adult animals retain childlike characteristics into adulthood. Some argue that human women exhibit this effect relative to men as part of sexual dimorphism.

ANSWER: **paedomorphosis**

[10] Axolotls are a part of this phylum, which includes cold-blooded tetrapods that usually undergo metamorphosis.

ANSWER: **amphibians**

[10] The excretory systems of amphibians often ends at one of these openings, which serves as a common terminus for the digestive, excretory, and reproductive tracts. Thus its a urethra and anus in one opening.

ANSWER: **cloaca**

12. According to the *Voluspa*, it is not with a special shoe, but with one of these objects that Vidar will slay Fenrir at Ragnarok; Saxo Grammaticus cites a magic one of these objects wielded by Hotherus as destroying Thor's hammer. For 10 points each:

[10] Identify these objects, other examples of which include the one given by Freyr to Skirnir, which "will fight by itself against any giant"; Skirnir used it to threaten Gerd with decapitation, if she did not wed Freyr.

ANSWER: **sword**

[10] This is the sword that Sigmund drew from the oak Barnstokkr at a wedding feast in Volsung's hall after it was placed there by Odin. Later, Regin reforged it for Sigurd, who used it to kill Fafnir.

ANSWER: **Gram** [or **Balmung**]

[10] This sword, called "Hjalmar's bane", was forged by two dwarves for Svafnlami and cursed to leave incurable wounds, to kill someone every time it was unsheathed, and to commit three sins. Hervor sought it from her undead father Angantyr and gave it to her son Heidrek, who killed his brother with it.

ANSWER: **Tyrfing**

13. In 2012 this team traded Andrew Bogut to Golden State to add Monta Ellis to a lineup that already included Brandon Jennings and Ersan Ilyasova. For 10 points each:

[10] Name this franchise which won its only NBA title behind Lew Alcindor in 1971.

ANSWER: **Milwaukee** Bucks [or Milwaukee **Bucks**]

[10] Milwaukee used its first-round pick in 2012 to draft this North Carolina forward, who has competed for playing time with Larry Sanders. He shares his name with a skunk-haired former *Talk Soup* host.

ANSWER: John **Henson**

[10] Milwaukee's head assistant coach is this man, who played point guard on Marquette's 1977 championship team. He served as interim coach of the Chicago Bulls after Scott Skiles was fired in 2007.

ANSWER: Jim **Boylan**

14. Alternate versions of this, such as magnitizdat, were performed through media such as mimeograph or tape recorder. For 10 points each:

[10] Name this process in which Soviet citizens manually reproduced and distribute censored items.

ANSWER: **Samizdat**

[10] This author's works were often distributed through samizdat. His *The Gulag Archipelago* was published in France after arriving there through samizdat.

ANSWER: Alexander **Solzhenitsyn**

[10] This politician was appointed as director of culture in 1946 by Stalin and was responsible for banning works by artists such as Anna Akhmatova. His namesake decree divided the world into the Imperialistic and Democratic.

ANSWER: Andrei **Zhdanov**

15. This character refuses to eat a magic plant that turns his crewmates witless, and blinds a man-eating giant that had trapped him, in two stories suspiciously similar to the *Odyssey*. For 10 points each:

[10] Name this legendary sailor, who goes on seven voyages recounted in the *Arabian Nights*.

ANSWER: **Sinbad** the Sailor

[10] The stories of Sinbad the Sailor are recounted by Scheherezade to this king to delay his execution of her.

ANSWER: King **Shahryar**

[10] In another story from *Arabian Nights*, Prince of Persia Qamar al-Aqmar has adventures with a beloved princess while flying around on this mechanical device.

ANSWER: the **ebony horse** [or a **mechanical horse**; or a **robotic horse**; etc.]

16. Name some neighborhoods that are often identified with hipsters, for 10 points each:

[10] This Brooklyn neighborhood is north of Bed-Stuy and south of Greenpoint. It shares its name with the colonial capital of Virginia.

ANSWER: **Williamsburg**

[10] San Francisco claims that this neighborhood has the highest concentration of street murals of any neighborhood in San Francisco. It is named for the oldest standing building in San Francisco.

ANSWER: the **Mission** district

[10] Rilo Kiley and the Silversun Pickups originated from this Los Angeles neighborhood which is located between Echo Park and Los Feliz.

ANSWER: **Silver Lake**

17. Magnetic set-ups called undulators are used to produce this type of radiation, whose radiated power is given as proportional to the velocity squared in the Larmor Formula. For 10 points each:

[10] Name this type of radiation emitted by a charged particle moving at relativistic speeds when it is kept moving in a circle by a magnetic field.

ANSWER: **synchrotron** radiation

[10] Synchrotron radiation often emits this form of high frequency radiation, whose wavelength is between .01 and 10 nanometers, and which falls between UV-rays and gamma rays on the electromagnetic spectrum.

ANSWER: **X-Rays** [or **X-Radiation**; or **Rontgen Radiation**]

[10] These potentials generalize the Larmor formula by taking into account time-retarding effects of special relativity. They separately give the scalar and magnetic vector potentials of a point charge.

ANSWER: **Lienard-Wiechert** Potentials

18. Antonio and Franciscus, who feigned foolishness and madness so as to seduce Isabella, are originally accused of the central murder of this play, which occurs when a servant shows Alonzo de Piracquo secret passages. For 10 points:

[10] Name this play, in which Beatrice-Joanna induces Deflores to kill her fiancé, so that she might wed Alsemero, but the two die together after their affair is discovered by Alsemero and Tomazo seeks revenge for his brother.

ANSWER: *The* **Changeling**

[10] *The Changeling* was written by William Rowley and this Jacobean dramatist, whose other works include *A Chaste Maid in Cheapside*, *Women Beware Women*, and *A Game of Chess*. Contemporary work believes that he, not Cyril Torneur, wrote *The Revenger's Tragedy*.

ANSWER: Thomas **Middleton**

[10] Gary Taylor concluded that Middleton wrote approximately eleven percent of this Shakespeare tragedy, particularly the scenes with Hecate, Act 3, Scene 5 and Act 4, Scene 1. Its title thane becomes king of Scotland after murdering Duncan.

ANSWER: *The Tragedy of* **Macbeth**

19. This artist voiced Father Time and scored the soundtrack for the "trippy animated parable" *Voyage to Next*. For 10 points each:

[10] Name this jazz musician better known for recording "A Night in Tunisia" and playing a trademark "bent" trumpet.

ANSWER: John Birks "Dizzy" **Gillespie**

[10] Gillespie and this tenor saxophonist recorded a namesake 1953 album. This popularizer of bossa nova collaborated with Joao Gilberto on "The Girl from Ipanema."

ANSWER: Stan **Getz**

[10] Members of Gillespie's backing band, including John Lewis, Ray Brown, Kenny Clarke, and vibraphonist Milt Jackson went on to form this group which released the album *Django*.

ANSWER: the **Modern Jazz Quartet**

20. Using part of the route previously taken by James Birch's "Jackass Mail", the namesake of this route was contracted to carry mail between California and the eastern US from 1857 to 1861. For 10 points each:

[10] Name this southern trail, sometimes called the Ox Bow route, which had termini at San Francisco in the west and Tipton, Missouri, and Memphis, Tennessee, in the east, and passed through Texas, New Mexico, and Arizona.

ANSWER: **Butterfield** Overland Mail Trail [or **Butterfield** Stagecoach Trail]

[10] In Indian Territory, the Butterfield Trail had several stations on this Native American nation's land, including at Boggy Depot. This nation was removed from Mississippi and Alabama by the Treaty of Dancing Rabbit Creek.

ANSWER: **Choctaw** [or **Chahta**]

[10] In addition to the Civil War, competition from this other overland service finished the Butterfield Route. Running from St. Joseph, Missouri, to Sacramento, it relied on fast riders on horseback, rather than stagecoaches.

ANSWER: **Pony Express** [or **Central Overland California and Pike's Peak** Express Company or **COC&PP**]

21. Childe Hassam made several paintings of this object along streets in New York, including *The Avenue in the Rain*, in which several of these objects are hanging against dark blue background, and a reflection of this object appears on the sidewalk. For 10 points each:

[10] Name this object, which also appears held around a pole behind the title character in Leutze's *Washington Crossing the Delaware*.

ANSWER: **American Flag** [or **Flag of the United States** or **Old Glory** or **Stars and Stripes**; accept obvious equivalents]

[10] This Abstract Expressionist and Pop Artist produced several depictions of the American flag, including in his *Three Flags* and *White Flag*.

ANSWER: Jasper **Johns**

[10] This landscapist portrayed an evening sky as an ethereal American flag in his work *Our Banner in the Sky*, which was painted in support of Union forces during the American Civil War. His other works include a painting of a small waterfall with Mt. Chimborazo in the background.

ANSWER: Frederic Edwin **Church**