Chicago Open 2013: No Subtext, Just Tacos
Packet by Connor Teevens, Arun Chonai, Brian McPeak, and Collin Parks
Edited by Matt Bollinger, Libo Zeng, Sriram Pendyala, Dennis Loo, Sinan Ulusoy, and Kevin Koai, with invaluable contributions by Matt Jackson

1. **The second ruler of this dynasty suffered a major defeat when the corsair Leo of Tripoli sacked Thessalonica; that ruler got into a spat with Nicholas Mysticus over his marriage to his mistress. A general who seized power during this dynasty had taken a vow of chastity that came back to bite him when his wife Theophano had him murdered by her lover. Shortly after coming to power, this dynasty's first ruler banished the Patriarch (*)** Photios, but brought him back after the death of Ignatius. John I Tzimiskes usurped the throne from a different usurper, Nikephoros Phokas, during this dynasty, whose best-known monarch Christianized the Rus by marrying his sister Anna off to Vladimir of Kiev. That ruler also blinded 99 out of 100 enemy soldiers after winning the Battle of Kleidion. For 10 points, Basil the Bulgar-Slayer was a ruler from what Byzantine dynasty, named for the homeland of Alexander the Great?
ANSWER: **Macedonian** dynasty [or the **Armenian** Dynasty]

2. **Andre Haynal contributed to the revival of this man's reputation with his book *Disappearing and Reviving*. He was one of the first psychologists to attempt a humanistic theory of homosexuality in his paper about a lesbian transvestite, "The Case of Rosa K." He allowed Clara Thompson to kiss him to help repair her abusive childhood according to his technique of "therapeutic touching" and he was the first to utilize the (*)** empathic response during therapy as the basis of clinical interaction. This man theorized that childhood trauma occurs when a child mistakes an adult's sexual advances for innocent affection, and is then bullied into taking responsibility for those advances; that is his theory of the "confusion of tongues." For 10 points, name this Hungarian psychoanalyst.
ANSWER: Sándor **Ferenczi**

3. **This character describes how he once absentmindedly asked his dead servant Philka to fetch him a pipe, and Philka's ghost came in and tried to get it. In another passage, he dreams of exploring a flower-filled country cottage on Whitsunday, only to find the coffin of a fourteen-year-old girl who drowned herself. Subsequently, he dreams of taking in a soaked five-year-old and putting her in his bed, at which point she tries to seduce him. He ponders whether eternity must be enormous, suggesting that it may only be "a (*)** village bathhouse, covered in soot, with spiders in every corner." This man goes up to a soldier and claims to be "off to America" before shooting himself in the head. He provides for the funeral of Katerina Ivanovna but also attempts to rape his former employee, Dunya. For 10 points, name this villainous foil to Raskolnikov in *Crime and Punishment*.
ANSWER: Arkady Ivanovich **Svidrigailov** [or **Arkady** Ivanovich Svidrigailov]

4. **This goal's original achievement was actually reversed after Archbishop Narciso Coll y Prat declared that an earthquake on Maundy Thursday was a sign of God's displeasure. A speech before the Patriotic Society arguing that "three hundred years" was "time enough" advocated this goal. This mission was generally opposed by the mixed-race *pardos*. In a notorious attempt to facilitate this, a general suspended the laws of war to declare that anyone born in (*)** Spain could be killed. Jose Antonio Paez's plainsmen demolished Miguel de la Torre's right wing at the battle that completed this goal, which was the objective of the Decree of War to the Death and the war waged by "El Precursor," Francisco de Miranda. For 10 points, name this goal achieved at the Battle of Carabobo by Simon Bolivar, who thereby severed his home country from the Spanish Empire.
ANSWER: the **independence** of **Venezuela** [prompt on the **independence** of **Latin America**; prompt on the **formation** of **Gran Colombia**]

5. **One bonus track on this album says that "You got to get your clock locked/ Get your stopwatch synchronized" to prepare for the title action, while another notes that the title violent Ulster nationalist gang is "sharpening their cleavers and their knives." The second track off this album is a duet with Laura Viers, while its last track is a round that mentions that "Here all the bombs fade away." Besides the "Shankhill Butchers" and (*)** "Yankee Bayonet," another song tells how the title character of this album was forced to weave "on cold loom/ in a closed room," and is described on a track that comes after "Summersong" and before "Sons and

Daughters." Including "The Perfect Crime #2" and "O Valencia," for 10 points, identify this album by The Decemberists titled after a Japanese folk tale about a namesake bird.
ANSWER: The _Crane Wife_

6. **Mixing of materials in regions containing this substance can lead to histels, turbels, or orthels and is known as cryoturbation. One type of this substance is called yedoma, which can contain a layer of ground called a talik. Their namesake plateau occurs when groups of palsas form an elevated flatland area usually located in a peat bog. Changes in this substance can create land surfaces featuring many hummocks (*)** and thermokarst lakes or lead to forests of drunken trees. Its namesake sporadic zone is labeled SPZ, while its discontinous zone is labeled DPZ. Rising temperatures may release large amounts of methane from this substance. For 10 points, name this type of soil that remains below the freezing point for two or more years.
ANSWER: **permafrost** [prompt on "gelisols" in the first sentence]

7. **One of these compositions by George Rochberg includes a set of variations on Pachelbel's _Canon in D_, and Rochberg named his fourth through sixth works in the genre the "Concord" ones. The third movement of another piece for this ensemble explores what the composer called "dissonant dynamics," shaping a melody solely by changing the volume of various held pitches. That work is the best-known composition by Ruth Crawford Seeger. Irvine Arditti founded an ensemble of this type named after him, and another composition for this ensemble contains a Scherzo "alla bulgarese" flanked by two movements in its composer's (*)** "night music" style. The performance of one of these pieces serves as the third scene of the opera _Mittwoch aus Licht_, and that piece requires that each of its performers be in a different helicopter. For 10 points, name this type of piece that might be performed by the Kronos, an example of which is Smetana's "From My Life."
ANSWER: **string quartet**s

8. **One of these texts describes darkness as a snake before it becomes "Moist Nature" which "belch[es] out smoke." Another one discusses how the "Better One" supplied a string to fix a musician's broken instrument and is titled "The Encomium of Kings." Including one about Poimandres, the shepherd of men, these eighteen tracts have been translated by G. R. S. Mead. These texts include addresses to the author's disciples (*)** Tat, Ammon and Asclepius. The most famous member of these texts lists principles like "The Sun is its father, the moon its mother" and "That which is below is like that which is above" and is called the Smaragdine Table, or Emerald Tablet. For 10 points, name these mysterious wisdom texts about subjects like alchemy, attributed to a divinity with the epithet "Trismegistus."
ANSWER: the **Hermetica** [or the **Corpus Hermeticum**; or the **Hermetic Texts**]

9. **Friable fibrin deposits on its inner mucosa called Hunner lesions are seen in interstitial inflammation of this organ. This organ's most common cancer, which typically metastasizes via the internal iliac lymph nodes and can be assayed with the NMP22 tumor marker, is transitional cell carcinoma. Trapping of contrast material by a papillary tumor of this organ can generate a radiographic filling defect called the "stipple sign". One part of this organ remains open in Shy-Drager syndrome. Suprapontine lesions can cause hyperreflexia of its (*)** detrusor muscle, and this organ's apex is connected to the abdominal wall by the median umbilical ligament. Botox injections into the trigone of this organ can be used in place of anticholinergics to treat urge incontinence, which occurs when this organ relaxes prematurely. This organ descends to the pelvic floor after childhood. For 10 points, name this part of the urogenital tract whose main function is to store urine.
ANSWER: **bladder** [accept **interstitial cystitis** before "organ"]

10. **One novel in this language is framed as the diary of a boy who came to serve the Commandant after Father Gilbert's death in a motorcycle accident; that novel is titled _Houseboy_. In another novel written in this language, a father of seven daughters forcibly raises his eighth daughter, Zahra, as a son. Used to write _The Sacred Night_ and _The Sand Child_, it is also the language of an epistolary novel in which (*)** Ramatoulaye responds to the death of her bigamous husband Modou. This is the language of _Nedjma_, by Kateb Yacine. The essay "Black Orpheus" prefaced a collection of poetry in this language, used to write _So Long a Letter_ by Mariama Ba. For 10 points, name this language employed by Moroccan writer Tahar Ben Jelloun, as well as Leopold Senghor, Aime Cesaire, and other writers of the Negritude movement.
ANSWER: **French**

11. **One dance created by this choreographer includes a hunting scene in which dancers playing dogs pretend to pee on other dancers playing bushes. A Roland Barthes essay inspired this artist's** *Championship Wrestling***. The Balkan dances this artist encountered working for the Koleda Folk Ensemble greatly influenced his work. This artist replaced toy soldiers with G.I. Joe action figures in his modern adaptation of** *The Nutcracker***, called** *The* **(*)** *Hard Nut*, created while European critics were savaging his work at La Monnaie in Brussels. A Handel ode inspired by John Milton's poetry supplies the music for one of his major works, and he danced as both a Carthaginian queen and The Sorceress in another, his adaptation of Purcell. For 10 points, name this choreographer of *L'Allegro, Il Penseroso ed Il Moderato* and *Dido and Aeneas*, known for using large dancers in his compositions.
ANSWER: Mark **Morris**

12. **At an IMF meeting, this official unveiled his namesake "plan" for indebted Latin American nations to receive $20 billion in loans in return for imposing austerity. This man is also the namesake of a derailed United Nations plan to grant autonomy to Western Sahara. He represented the United States during the signing of the Plaza Accord and the 2 + 4 agreement. This man famously justified weakening American ties with Israel by exclaiming, (*)** "Fuck the Jews, they don't vote for us anyway." This politician was Gerald Ford's campaign manager in the 1976 election. This co-chair of the Iraq Study Group with Lee Hamilton served as Chief of Staff and Treasury Secretary in the Reagan administration before assuming his highest post. For 10 points, name this man, who helped organize the coalition against Iraq in the Gulf War as Secretary of State for George H.W. Bush.
ANSWER: James **Baker**

13. **Sydney Shoemaker defended this theory from an inverted spectrum argument in a paper about this theory "and Qualia," while a "homuncular" version of this theory is supported by William Lycan. David Lewis argued that this non-behaviorist theory would correctly predict a Martian to be in pain, but incorrectly predict a madman was not. Ned Block's paper, (*)** "Troubles with" this theory, attacked it with his "China-brain" thought experiment**.** John Searle has argued that Strong AI is a version of this theory, and that it is thus refuted by the Chinese Room experiment. Hilary Putnam advanced this theory in "Minds and Machines," basing this perspective in his theory of multiple realizability. For 10 points, name this theory in philosophy of mind which holds that a mental state is simply what it does.
ANSWER: **functionalism** [prompt on **multiple realizability** before it is read]

14. **Alexander Pope's adaptation of this poem begins "In that soft season, when descending show'rs" and changes the first noun in the title to "Temple". This poem describes a man named Colle who carried a windmill under a walnut's shell, as well as a series of metal pillars atop which the speaker sees Homer, Vergil, and Josephus. This poem suddenly breaks off after the speaker sees a man "whom [he] had no business seeing but [who] seemed to be commanding great respect." This poem's narrator finds a (*)** brass tablet inscribed with the *Aeneid's* opening lines and surrounded by paintings of scenes from the poem, emphasizing the story of Dido. The speaker of this poem dreams of finding himself in a glass temple of Venus before Jove sends a gigantic golden eagle to bring him to the title location. For 10 points, name this early poem by Chaucer titled for a location adorned with images of people of renown.
ANSWER: The *House of Fame*

15. **A Hindu god of this element ruined the backs of the hundred daughters of Kushanabha after they refused to have sex with him. In** *The Lay of Igor's Campaign***, the grandsons of the Slavic god Stribog have power over this element, which is also the domain of the Assyrian demon king Pazuzu. In Babylonian myth, Adapa was called before Anu for injuring a god of this element. In Hindu mythology, a set of gods of this classical element was born after Diti's super-powerful baby was cut into (*)** forty-nine pieces. Controlled by the Maruts and Quetzalcoatl's form of Ehecatl, this element is the domain of Hanuman's father Vayu and the Sumerian god Enlil. For 10 points, name this type of god exemplified in Japanese myth by Fujin and in Greek myth by Zephyr.
ANSWER: **wind** gods [or gods of the **air**; prompt on **storms** or **lightning** until "classical element" is read; do not accept or prompt on "sky gods"]

16. **The Ludwig-Hollomon equation describes how much a material can harden due to this process. The equivalent stress is used in the Prandtl-Reuss flow rule for one type of material undergoing it. At least five independent slip systems are required for this process to occur according to the von Mises criterion. This process is often a result of crystallographic slip processes. The simplistic** (*) Tresca criterion states that it occurs when shear stress achieves a minimum value. During this process, the stress-strain curve is no longer linear, and it is described by distortion energy theory. This process occurs before the material ruptures and after the yield point. For 10 points, name this type of deformation in which the material is deformed permanently, the opposite of elastic deformation.
ANSWER: **plastic** deformation or flow [accept **plasticity**; accept word forms]

17. **On the right of this painting, a hefty blonde woman with her right breast exposed by a pink coat clutches a wad of cash as she walks next to a man with an upturned cap in his lap. In this painting, a man wearing a dress and pearls waves a huge pink ostrich feather behind his head. The artist of this painting included himself on the left as a wounded, begging veteran with two wooden pegs for legs, getting attacked by a dog, referencing a subject he also explored in his *The Trench* and the series** (*) *War.* In the center of this triptych, musicians in mid-motion play tubas and saxophones to well-off society women dancing the Charleston during a ball in Weimar Germany. For 10 points, name this triptych by Otto Dix that shares its title with a pioneering science fiction film by Fritz Lang.
ANSWER: *Metropolis* [or *Grossstadt*]

18. **Cox charts are usually used to represent this equation graphically, and Dreisbach and Spencer note that those charts are physically too small to accurately resolve information about his equation. The DIPPR equation is an extension of this equation with an extra parameter usually multiplied by temperature to the sixth. The Arden-Buck and Goff-Gratch equations calculate the same value as this equation for a given temperature. The constants usually given as** (*) A, B, and C in this equation have units of pressure and are calculated empirically, and when C = 0 this equation is called the August equation, though C is more often set to 230. For 10 points, name this derivation from the Clausius-Clapeyron equation that equates the log of vapor pressure with a function of temperature.
ANSWER: **Antoine** Equation

19. **In this story, a writer has to stop playing the song "Betty Co-Ed" in his head because he invariably turns the lyrics into an obscene parody. At the end of this story, one character asks, "Why should the people be operated on without an aesthetic?" as another character plays "La Cucaracha," the "tune of the real revolution." Another character in this story recalls screaming "Oh Lord, may he hit it out of the lot!" while listening to an Oakland A's game and prays for Notre Dame because it represents Our Lady. A writer in this story concludes that "Bread is the** (*) opium of the people" after getting angry at a Marxist who claims it is religion. That writer, Mr. Frazer, is in a Montana hospital when a Mexican gets brought in with a wounded belly. For 10 points, name this Ernest Hemingway short story set in a hospital where Sister Cecilia cares for the poker player Cayetano.
ANSWER: "The **Gambler, the Nun and the Radio**"

20. **A minor issue provoking this event was the passage of the Fowler Amendment. General Ketchen responded to it by calling in police forces armed with machine guns. During this event, elites formed the "Citizens' Committee of One Thousand," ostensibly to feed the citizenry but actually to serve as a militia. Gideon Robertson ordered the arrest of J.S. Woodsworth and Albert Heaps, two of its leaders. After Mayor Frederick Gray read out the Riot Act, mounted police charged into the crowd on what became called "Bloody Saturday." Occurring during the government of** (*) Robert Borden, it was thought to be the handiwork of the One Big Union and was provoked by unsettled tensions after the end of World War I. For 10 points, name this 1919 strike, perhaps the most important in Canadian history.
ANSWER: the **Winnipeg** General **Strike** of 1919

21. **In this work, one "blued gun-barrel" colored creature was tamed after a week of throwing itself against the door of a corn crib, and Uncle Ash sleeps on a kitchen floor throughout this story. This story's protagonist notes that a plantation "was never mine to repudiate" before giving it to his cousin and becoming a carpenter. The title character of this story is first antagonized with a fyce and later killed with assistance from Kate the Mule. That title character is defeated by** (*) Lion the mastiff and Sam Fathers, who are also killed in the struggle. Appearing between "The Old People" and "Delta Autumn," this story ends with Boon Hogganbeck shouting when confronted by Isaac McCaslin. Old Ben is the name of, for 10 points, what title animal of a William Faulkner story in the collection *Go Down, Moses*?
ANSWER: "The **Bear**"

1. Renovales is "the personification of human desire" in this man's *La Maja Desnuda*, translated as *Woman Triumphant*. For 10 points each:
[10] Name this Spanish realist who wrote a novel adapted into a film starring Rudolph Valentino, *The Four Horsemen of the Apocalypse.*
ANSWER: Vicente **Blasco Ibanez**
[10] Like other Spanish realists, Blasco Ibanez took inspiration from the Naturalism seen in this Frenchman's novels, including *L'Assomoir* and *The Masterpiece.*
ANSWER: Emile **Zola**
[10] In this novel by Spanish realist Benito Perez Galdos, a blind boy named Pablo falls in love with the title peasant girl, but marries his cousin Florentina instead after regaining his sight and seeing that she is ugly.
ANSWER: ***Marianela***

2. Immediately after this process occurs, epidermal cells secrete enzymes to break down the endocuticle. For 10 points each:
[10] Name this process in which the epidermis and cuticle separate from each other. It is the first stage of molting.
ANSWER: **apolysis**
[10] Molting occurs due to rising levels of this insect hormone, leading to the creation of chromosome puffs in polytene chromosomes and activation of genes downstream.
ANSWER: 20-hydroxy**ecdysone** [or **20-E**, prompt on "ecd"]
[10] After an arthropod molts through successive stages called instars, it finally reaches this mature form in which it is now able to reproduce
ANSWER: **imago** [or **imaginal** stage, or **imagines** if they give the plural]

3. For 10 points each, answer some questions about the Anglo-Saxon period of English history.
[10] This southern-most kingdom of the Heptarchy was the only one to resist Viking invasion, which it did under the rule of Alfred the Great.
ANSWER: **Wessex**
[10] Alfred the Great defended England by organizing these fortified towns, which were placed such that any place in Wessex would be within twenty miles of one in the event of a Viking attack.
ANSWER: **burh**s [or **burgh**s]
[10] This monk and royal adviser feuded with a later king of Wessex, Edwy, whom he allegedly dragged from a three-way into a meeting with his nobles. He was a crucial adviser to King Edgar and brought Edward the Martyr to the throne.
ANSWER: Saint **Dunstan**

4. Henry Kissinger reported that this was his favorite game, and other noted fans are John F. Kennedy and Walter Cronkite. For 10 points each:
[10] Name this extremely long, friendship-ending game board game simulating World War I which involves a phase of negotiating with other players, and then writing orders on a piece of paper.
ANSWER: **Diplomacy**
[10] Among the many reasons that this country is so weak in Diplomacy is that Tunis is the only reliable supply center for it to get before the first build. Historically, it fought a 1911-1912 war with the Ottoman Empire for control over Libya.
ANSWER: **Italy**
[10] Aside from Spain and St. Petersburg, this is the only region which has two coasts, which must be specified when writing orders to avoid ambiguity.
ANSWER: **Bulgaria**

5. Answer these questions about aggressive speechmaking prior to the American Civil War, for 10 points each.
[10] This New York Senator and friend of Thurlow Weed frightened slaveowners by proclaiming there was a "higher law" than the Constitution. He was the leading Republican candidate going into the 1860 convention.
ANSWER: William **Seward**
[10] William Yancey and Robert Rhett led this group of extremist Southerners, who tried to convince Southern states to seceded from the Union by inflaming their fears of abolition.
ANSWER: the **Fire-Eaters**
[10] William Seward again terrified Southerners by giving a speech generally known by this two-word phrase, which he used to describe the inevitable collision between free labor and slave labor.
ANSWER: "**irrepressible conflict**" [do not accept other answers]

6. A terrified-looking shirtless man in this painting mysteriously wears a hat inscribed with the number 32. For 10 points each:
[10] Identify this Antoine-Jean Gros painting in which a First Consul places his finger on an infected soldier in the Middle East.
ANSWER: *Napoleon in the Plague House at Jaffa* [or *Bonaparte Visits the Plague Victims at Jaffa*]
[10] This artist, another French Romantic, painted *Napoleon on His Imperial Throne*, as well as *The Apotheosis of Homer*.
ANSWER: Jean-Auguste-Dominique **Ingres**
[10] Gros also created a ghostly white depiction of this woman clutching her head as she stands on a rocky outcropping. In a Jacques-Louis David painting, Cupid kneels in front of this woman, holding a musical instrument, as her head is cradled by a spear-wielding young man.
ANSWER: **Sappho**

7. While Lleu Llaw Gyffes was standing on these two objects, his wife Blodeuedd's lover Gronw hurled a spear at him and nearly killed him. For 10 points each:
[10] Name these two objects on which Lleu had to have his two feet while wrapped in a net at dusk, in order to be killed by a spear forged during Mass.
ANSWER: a **goat** and a **cauldron**
[10] Lleu Llaw Gyffes may have been the son, by incest, of Arianrhod and this Welsh trickster. Math repeatedly turns him and his brother Gilfaethwy into animals of complementary genders so that they have sex.
ANSWER: **Gwydion**
[10] Lleu Llaw Gyffes escaped death by transforming into one of these animals. Zeus took the form of one of these animals to abduct Ganymede.
ANSWER: an **eagle** [prompt on a **bird**]

8. This equation describes the time evolution of a Markoff random process for the fluctuations of macroscopic degrees of freedom such as the Brownian motion of a heavy particle. For 10 points each:
[10] Name this differential equation that can be derived from the Smoluchowski equation by assuming that the probability of finding the particle in a given state will only vary by a small amount after a small discrete time step and Taylor expanding.
ANSWER: **Fokker-Planck** equation [accept **Kolmogorov Forward** equation]
[10] The Fokker-Planck equation is differential equation of this type, which basically means random. More formally, this type of process is defined as a collection of random variables indexed by time.
ANSWER: **stochastic**
[10] The calculus of stochastic processes is dominated by this man's integral in which the integrand is random and nonanticipating. That integral is more popular than the Strantonovich integral and is evaluated with this man's namesake lemma, which gives a formula for differentials.
ANSWER: Kiyoshi **Ito**

9. A love affair with a woman named Denise inspired this artist to make a domicile-like sculpture made of thin sticks, *The Palace at 4 AM*. For 10 points each:
[10] Identify this sculptor who often used his brother Diego as a model. His other sculptures include the simply-titled *City Square* and *Dog*.
ANSWER: Alberto **Giacometti**
[10] Giacometti's most famous series, this set of sculptures depicts an extremely thin individual in the act of locomotion.
ANSWER: *Walking Man*
[10] The head of this other Giacometti sculpture was modeled after a metal mask found at a flea market he visited with Andre Breton. It depicts a nude, seated woman holding her arms up in front of her chest.
ANSWER: *Hands Holding the Void (Invisible Object)* [or *Hands Holding the Void: Invisible Object*]

10. This character begins studying Latin and Greek to help her husband with his *Key to All Mythologies*. For 10 points each:
[10] Name this woman who gives up the inheritance from her first husband, Edward Casaubon, and chooses instead to marry Will Ladislaw, in George Eliot's *Middlemarch*.
ANSWER: Dorothea **Brooke** [or **Dorothea** Brooke]
[10] Like Dorothea, this doctor enters an unhappy marriage at the beginning of *Middlemarch*, his being with Rosamond Vincy. He has to leave Middlemarch after getting involved in the death of John Raffles.
ANSWER: Tertius **Lydgate** [or **Tertius** Lydgate]
[10] This British writer praised the "intellectual power" of *Middlemarch* in *The Living Novel*. He wrote the memoirs *A Cab at the Door* and *Midnight Oil*, but is better-known for his short stories, such as "The Saint," "The Lion's Den," and "When My Girl Comes Home."
ANSWER: Victor Sawdon **Pritchett**

11. Answer these questions about contemporary religious epistemology, for 10 points each.
[10] Peter van Inwagen attacked this chapter of a larger work by reformulating its argument in terms of "contraventions." This chapter, which argues that no one could believe any reports of the title phenomena after weighing the evidence, is by David Hume.
ANSWER: "Of **Miracles**" [prompt on *An **Enquiry Concerning Human Understanding*** or answers specifying chapter 10 thereof]
[10] This contemporary adherent of Calvinist "reformed epistemology" argues that belief in God is a "properly basic belief." This apologist advanced the idea of "warrant," the property that makes a belief into knowledge, in *Warranted Christian Belief*.
ANSWER: Alvin Carl **Plantinga**
[10] This American argued for the epistemic circularity of sense-perception, which he dubbed "SP," and argued that people who trust their senses have no way to dismiss religious experience claims, in his book *Perceiving God*.
ANSWER: William **Alston**

12. Clouds come in many shapes and sizes. For 10 points each:
[10] These clouds located in the mesosphere are composed of ice crystals and exhibit high radar reflectivity possibly because they get coated with sodium or iron. They are sometimes known as "night clouds."
ANSWER: **noctilucent** clouds
[10] These lens-shaped clouds, a subset of altocumulus clouds, are usually formed from the standing waves caused by air masses flowing across a mountain range. Their shape leads to them being sometimes mistaken for UFOs.
ANSWER: **lenticular** clouds [accept **altocumulus lenticularis**]
[10] These wispy clouds are also called "mares' tails" and they produce optical phenomena like sundogs and halos. They are named after the Latin for ringlet.
ANSWER: **cirrus** clouds

13. These troops were often taken from Christian families in the "blood-tax," or *devshirme*. For 10 points each:
[10] Name these troops whose use was pioneered by Murad I, and who served as the bodyguards of the Ottoman Sultan.
ANSWER: **Janissaries** [or **yeniçeri**]
[10] This Christian ruler loved Janissary music so much that he ordered a band brought to his court. This 18th-century Elector of Saxony was responsible for developing the city of Dresden into a "Florence of the Elbe."
ANSWER: **Augustus the Strong** [or **Augustus II** of Poland; or **Augustus I** of Saxony]
[10] Members of another Ottoman military unit, the *sipahis*, often served the sultan in return for these tracts of land. *Sipahis* were allowed to collect taxes from residents of these tracts, but also had to administrate them.
ANSWER: *timars*

14. His obituary was collected as an essay in the collection *Implicit Meanings* by Mary Douglas. For 10 points:
[10] Name this British anthropologist known for studying the Dinka people of southern Sudan in such works as *Divinity and Experience: The Religion of the Dinka*.
ANSWER: Godfrey **Lienhardt**
[10] Godfrey Lienhardt became interested in anthropology after a chance encounter with this author of *Theories of Primitive Religion* and *Witchcraft, Oracles, and Magic Among the Azande*.
ANSWER: Sir Edward Evan "E. E." **Evans-Pritchard**
[10] This East African ethnic group practices a coming-of-age ceremony in which a young man becomes a warrior by standing in silence as a tribal elder circumcises him without using anaesthetic.
ANSWER: the **Maasai** people

15. In this story, the government deprives its citizens of sexual urges using Ethical Birth Control, invented by a scientist who was offended by the sight of animals masturbating in the zoo. For 10 points each:
[10] Name this short story in which the criminal Billy the Poet kidnaps and rapes the hostesses of Ethical Suicide Centers.
ANSWER: "**Welcome to the Monkey House**"
[10] In this most famous short story from Kurt Vonnegut's *Welcome to the Monkey House,* the handicapper general Diana Moon Glampers shoots the title character after he declares himself emperor.
ANSWER: "**Harrison Bergeron**"
[10] Kurt Vonnegut also wrote this quirky short book in which the protagonist asks the title doctor to give him near death experiences so that he can interview people like Hitler and Newton.
ANSWER: *God Bless You, Dr. Kevorkian*

16. This religion's saying "a thing lent, a thing borrowed" teaches that the body is merely a vessel borrowed from God. For 10 points:
[10] Name this monotheistic religion founded by a peasant woman in the 19th century, which promotes the idea of salvation through a "Joyous Life." It is historically the largest religion founded by a woman.
ANSWER: **Tenrikyo**
[10] Tenrikyo was once considered an offshoot of Shinto, whose adherents pass through these gates to get into their shrines.
ANSWER: **torii**
[10] On this holiday, celebrated on November 15th proud Shintoist parents bring children of three namesake ages to the local shrine to thank the *kami* for granting them a healthy life.
ANSWER: **Shichi-Go-San** [or **Seven-Five-Three** festival]

17. Most restatements of this ballet's opening rondo theme are a minor third higher than the previous statement, resulting in the theme being stated in 21 of the 24 major and minor keys. For 10 points each:
[10] Name this surrealist ballet whose score was inspired by Brazilian popular music. It lent its name to the Parisian cabaret that was the gathering place of Jean Cocteau's circle during the inter-war years.
ANSWER: Le *boeuf sur le toit* [or The *Ox on the Roof*]
[10] This member of Les Six composed *Le boeuf sur le toit*. His hearing of jazz in Harlem influenced his ballet based on African folk mythology, *La création du monde*.
ANSWER: Darius **Milhaud**
[10] For 31 years Milhaud held a teaching post at this liberal arts school in Oakland, California. Other faculty members at this bastion of American experimental music have included Luciano Berio, Terry Riley, and Pauline Oliveros.
ANSWER: **Mills** College

18. In this passage an invading army dismisses their weaker opponents' expression of hope in the gods with the dictum that "The strong do what they can; the weak suffer what they must." For 10 points each:
[10] Name this important passage for the Realist School of International Relations, a section of the *History of the Peloponnesian War*.
ANSWER: the **Melian Dialogue**
[10] This Greek historian included the Melian Dialogue in his *History of the Peloponnesian War*.
ANSWER: **Thucydides**
[10] In another important passage from Thucydides, Cleon and Diodotus debate whether to execute the rebellious inhabitants of this city *en masse*. Diodotus argues that Athens should not, but wins on a mercenary rather than a moral argument.
ANSWER: **Mytilene**

19. This man drew on Sacher-Masoch to depict a racy theater audition in his *Venus in Fur*, satirized minimalism in "Philip Glass Buys a Loaf of Bread," and wrote a one-act in which a bell rings to reset the scene every time Bill fails to seduce Betty in a café. For 10 points each:
[10] Name this living American comic playwright, whose collection *All in the Timing* contains "Sure Thing," a staple of school one-act festivals.
ANSWER: David **Ives**
[10] In "Sure Thing," Betty is reading this novel. Bill claims it reveals "the profound mysteries of time," perhaps because chapters narrated by the mentally-challenged Benjy Compson jump around chronologically without warning.
ANSWER: The *Sound and the Fury*
[10] Exact three-word name required. In David Ives' "Variations on the Death of Trotsky," the title character argues with his wife over whether this type of object was smashed into his skull rather than an ice pick. After they agree that it was this type of object, they argue over whether it was "smashed" or "buried."
ANSWER: a **mountain climber's ax**e

20. A process that produces this metal from rutile reacts rutile in a fluidized bed reactor and then distills the product. That process replaced the earlier Hunter process. For 10 points each:
[10] Name this metal which is bound to two pentadienyl rings in Petasis reagent and are the most common metal on which heterogeneous Ziegler-Natta catalysts are based.
ANSWER: **titanium**
[10] This reagent involves some chromium compound like chromium trioxide in a mixture with sulfuric acid and acetone. It is similar to Collins reagent and it is used in its namesake reaction to oxidize alcohols.
ANSWER: **Jones** reagent
[10] Along with Collions reagent, this ruthenium-based compound is another oxidizing agent that will convert primary alcohols to aldehydes and secondary alcohols to ketones.
ANSWER: **TPAP** (accept: **tetrapropylammonium perruthenate**)

21. Answer some questions about the geography of France, for 10 points each:
[10] This longest French river runs through central France, and is the sight of cities like Orleans.
ANSWER: **Loire** River
[10] This city on the Penfeld River serves as the second French military port along with Toulon, and is at the western end of the region of Brittany.
ANSWER: **Brest**
[10] This region of France, which translates into Free County, has a capital at Besançon,
ANSWER: **Franche-Comté**

UNUSED

One novel by this man features the budding writer Abel enchanted by the masks of a theatre company before being betrayed to an evil pawnbroker. Another novel by this man features Gabor and Eva, the children of Lajos who left the titular character to marry her sister Vilma. Those works are The Rebels and Esther's Inheritance. Krisztina's diary is thrown into the fire in a book by this man featuring the old general Henrik meeting Konrad whom he hadn't seen for 41 years, while perhaps his most famous work recounts the rivalry of the titular character with the Duke of Parma over the beautiful Francesca. For 10 points, name this Hungarian author of Embers and Casanova in Bolzano.
ANSWER: Sandor Marai

Joseph Frank claims of this book that it "points both backward and forward in [its author's] artistic developement", and that it caricatures the German ideal of getting rich by honest work. The protagonist insults a Baroness by taking off his hat, bowing to her, and saying "Madame Baronness, I have the honor to be your slave" in French. The visit of the General's aunt is a highly anticipated, though she gets mad that they are all waiting on her to die and asks the narrator to show her around the town. The protagonist muses that he would jump off a mountain if the women he loves commanded it, yet there are other times when he would like to plunge a knife into her chest. At the end of this novel, the Englishman Mr. Astley tell Alexei that Polina is well and still loves him, though Alexei had been told by Polina that she doesn't love him after he won over two hundred thousand Roubles. For 10 points, name this Dostoyevsky novel about the title character's addiction to Roulette.
ANSWER: The Gambler

This man asks "Does that stupid earth/ Bind still her sullen mirth/ Mirth which betrayed her?" in "Elegy for an Enemy." For 10 points each:
[10] Identify this poet who noted that "The concrete-mixer may have made a mistake" in "Nightmare Number Three."
ANSWER: Stephen Vincent Benet
[10] Benet was awarded a posthumous Pulitzer in 1944 for this unfinished narrative poem about the settling of the United States.
ANSWER: Western Star
[10] Benet may be most famous for this epic poem about the title abolitionist who raided Harper's Ferry.
ANSWER: John Brown's Body

This writer's most recent novel, Ifemelu authors a blog about race and falls in love with Obinze. For 10 points each:
[10] Identify this author of Americanah, who had earlier written about the sisters Olanna and Kainene in Half of a Yellow Sun.
ANSWER: Chimamanda Ngozi Adichie
[10] Adichie hails from this nation, also the home of the author of Arrow of God, Chinua Achebe.
ANSWER: Nigeria
[10] Another Nigerian author is this creator of the short story collection A Forest of Flowers who wrote about the Biafran War in On a Darkling Plane.
ANSWER: Ken Saro-Wiwa

The cavalry commanded for the victorious side at this battle went on to be killed at Munda, that commander repelled a second force from the Lemovices under Vercassivellaunos, and was named Labienus. Commius tried to launch a second force to relieve the eventual losers in this battle, although he was repelled by the commander's Magister Equestrium, who later went on to be invaded in one region due to his issuing the donations of Alexandria. One notorious event in this battle was the sending out of all the starving women and children from the besieged city, who went on to be cut down by the besieging army, who were camped behind their circumvention wall, and in front of another. Ending in the final defeat of Vercengetorix, this is, for 10 points, what victory of Julius Caesar that finished the conquest of Gaul, which is known for including a double wall to keep in the besieged and keep out relief forces.

ANSWER: Battle of <u>Alesia</u>

Its not Poland, but Gallus Anonymus spends much of his history discussing monarchs of this polity. One military campaign launched by this polity culminated with a victory at Snaim and the capture of Niš. The launcher of that campaign was a member of a dynasty that defeated George of Poděbrady to gain temporary control of one neighboring country. The founder of this polity spent much of his reign putting down rebellions of the "bkack" members of his ethnicity, who rebelled after that monarch tried to found dioceses in traditionally pagan areas. That monarch because zealous after being coroneted, although it is unlikely he was corronated with the crown featured on this modern day country's coat of arms. Collapsing in its medieval form after a victory for Suleiman I, this is, for 10 points , what kingdom that was conquered at the battle of Mohacs and ruled by kings like Stephen and John Hunyadi.
ANSWER: Kingdom of <u>Hungary</u>

The intended first ruler of this polity was never able to take the position due to his involvement in a rebellion put down in part due to a battlefield victory by Louis de Duras. One event during this polity's rule was the annexation of two territories that were then governed by Francis Nicholson, who was earlier a secretary to William Blathwayt. Resistance to the rule of this polity was inflamed when a leader of this polity held a meeting with another group and called them children instead of brethren, that meeting was held on the banks of the Mohawk River. The downfall of this polity occurred with the reinstatement of Thomas Hinckley as governor in one area and arrest of this polity's final governor, Edmund Andros. This polity was established in an attempt to streamline administration and was first governed by Joseph Dudley. This is, for 10 points, what group of colonies that was founded by merging New York, New Jersey, and the colonies of a namesake region who's largest city today is Boston.
ANSWER: <u>Dominion of New England</u> [Do not prompt on simply "New England"]

One result of this event was the passing of universal male suffrage in the country in which it took place. Weston Bate is a major source of information at this event, including the flying of a flag designed by Henry Ross. This event started after the election of Peter Laler as group leader, who then brought his group to swear an oath at Bakery Hill. The battle of this event saw one leader stop 100 fighters from being bayoneted by troops under a commander who later went on to serve in the second opium war, J.W. Thomas. This event was sparked by dissatisfaction caused by the increasing of mining licenses, and many of the dissatisfied founded the Ballarat Reform league. Taking place in Victoria, this is, for 10 points, what Australian rebellion which took place behind a namesake barricade.
ANSWER: <u>Eureka</u> Stockade Rebellion
bleh, seriously? -MJ

Answer some questions about a Kievan Ruler, for 10 points each:
[10] This son of Vladamir the Great united Novgorod and Kiev, promulgated the first Slavic law code, and his epithet that implies he was pretty smart.
ANSWER: <u>Yaroslav</u> the Wise
[10] Yaroslav was a member of this dynasty, who continued to rule Russia until the Time of Troubles.
ANSWER: <u>Rurik</u>
[10] This half brother of Yaroslav was the ruler of Kiev when Yaroslav conquered it, and he supposedly murdered all of his siblings.
ANSWER: <u>Sviatpolk I</u>

This thinker discussed taking an intentional stance and a personal stance with regard to physical systems, and that regulative control is compatible with determinism in his work Elbow Room. In Theory of Content, Fodor criticizes instrumentalism, a position he claimed was held by Churchland, Stich, and this philosopher. This thinker claimed that Searle's Chinese Room thought experiment is designed to lead the audience to the obvious but incorrect

conclusion, which he called and intuition pump. One of his most famous works makes an analogy between reductionism and "skyhooks and cranes", and describes the central idea as a Universal Acid, changing everything it touched. For 10 points name this philosopher who with Hitchens, Harris, and Dawkins, is a vocal proponent of Atheism and writer of Darwin's Dangerous Idea.
ANSWER: Daniel Dennett

Answer the following about 20th century ethics, for 10 points each:
[10] This Irish philosopher and friend of Wittgenstein wrote about virtue ethics in her paper 'Modern Moral Philosophy'. She also wrote about agency in 'Intention'.
ANSWER: G. E. M. Anscombe
[10] The idea of moral luck was introduced by this Nietzsche-loving, Kant-bashing thinker and later developed by Thomas Nagel. This thinker also wrote Truth and Truthfulness, wherein he claimed that the basic elements of truth are accuracy and sincerity.
ANSWER: Bernard Williams
[10] This University of Chicago thinker talked about how to treat the disabled in 'Frontiers of Justice'. She also collaborated with Amartya Sen on the Capability approach to welfare economics.
ANSWER: Martha Nussbaum

A woman in a yellow dress clutches a brown-suited soldier in one watercolor series by this artist titled In Vaudeville, and he depicted a rather stoned looking grey-faced woman in the bottom right of The Masque of the Red Death. The Thyssen-Bornemisza museum houses one work by this man in which a white mask appears between the the numbers 1 through 3 and the word love, and he created several illustrations of Zola's Nana. The words "office," "plant," and "feed" appear on a billboard in another painting by this artist who depicted a large grain elevator in Aucassin and Nicolette. This pioneer of Precisionism is best known for a paintings in which a depiction of a fire truck appears in front of the word "Carlos." For 10 points, identify this American artist of I Saw the Figure Five in Gold.
ANSWER: Charles Demuth

One track on this album may have inspired Paul McCartney's "All My Loving," and although it's not by Miles Davis, this album was produced by Teo Macero. A different track on this album begins to alternate between two measures of 3/4 and two of 4/4 with the entrance of an alto sax, while another features a walking bass line in 6/4 that also appeared in "Everybody's Jumpin." This album of "Strange Meadow Lark," includes one track that begins in 9/8 and features several instances of the rhythm of the zeybek, and was not actually based off of Mozart's Piano Sonata No. 11. An extended Joe Morello drum solo appears on another track off this album; the only song to be composed by Paul Desmond. For 10 points, identify this 1959 jazz album by Dave Brubeck that features "Blue Rondo a la Turk" and "Take Five."
ANSWER: Time Out

The city of Hinthada is located on the delta of this river, which flows into the distributary of the Pathein River. The third defile of this river is marked by the city of Kyuakmyuang, which is a few hundred kilometers down stream of the river Mogok. This river gives its name to a dolphin which is found in the surrounding sea, and this river receives much of its flow from the river N'mai, whose confluence with the river Mali forms this river. This river was wrote in the Ruyard Kipling poem "Mandalay" which is about a city on this river. This river is, for 10 points, what river which serves as the main water way for a country that is officially named Myanmar, but colloquially known as Burma
ANSWER: Irrawady River

Bargmann and Wigner name a formalism for treating one-particle wave functions motivated by considering the theory of this group. The Rarita-Schwinger equation is representation of this group for the spin 3/2 fermions, and

subsets of the elements of its underlying Lie Algebra can generate various Bianchi sub-algebras. When combined with translations, this group forms the Poincare group, and Maxwell's equations are invariant under the application of members of this group. When multiplied by their transpose they give the metric tensor, and they have determinate one, so they are symbolized by SO(1,3). They preserve the space-time interval and their invariant is a hyperboloid rather than a sphere. For ten points, boosts and rotations make up what group of special relativistic transformations named for a Dutch physicist.

ANSWER: Lorentz Transformations [or Lorentz Group, prompt on Poincare group]

One system that can be used to prove this property involve safety properties and liveness properties, and is called linear temporal logic. This property can be proved using a formal system involving the assignment axiom schema and empty statement axiom schema which uses its namesake triples that consist of a precondition, postcondition and command. Introducing loop invariants is one way to prove this. Proving this property is often done in conjuction with showing that the program terminates. The subject of Hoare logic and formal verification, for 10 points, name this property of computer programs that ensures that the program produces the right output for all input.

ANSWER: total correctness [accept equivalents]

Freud tried to explain it as the result of an unusually strong Oedipal Complex, but V. S. Ramachandran suggested that it results from a disconnection between the temporal lobe where faces are recognized, and limbic system, where the brain reacts emotionally to faces. For 10 points each:

[10] Name this disorder where the sufferer believes a friend or family member to be an identical looking imposter.

ANSWER: Capgras Delusion (or Capgras syndrome)

[10] More specifically, Ramachandran linked Capgras syndrome to this pair of almond shaped areas of the brain which are linked to memory processing and emotional reactions.

ANSWER: Amygdala (or Amygdalae)

[10] This region of the limbic system sits above the mesencephalon and contains the thalamus and hypothalamus. Its roles include connecting the limbic system to other parts of the brain and regulating the autonomic nervous system.

ANSWER: Diencephalon (prompt on 'interbrain')