**2016 Chicago Open: "An Insatiable Kingpin of International Meme-Laundering"**

**Packet by The "M"ontell "W"illiams School of Pseudonymy (Rafael Krichevsky, Ben Zhang, "Brian Stack", Jason Golfinos)**

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**Tossups**

1. **This man is essentially rebuilding one of his best known projects for a complex at Golden Dream Bay in Qinhuangdao, China. In what Philip Kennicott called “a perfect exercise in the clean lines and megalomania of police-state architecture,” an aircraft-carrier sized park rests on top of three separate towers for a hotel he designed in Singapore. He dammed a river to create the two pools which divide the eight (\*)** shell-like pavilions of a forested art museum. This architect used a dove's wing for the shape of the white roof of the United States Institute of Peace and designed the Crystal Bridges Museum. He made his name with a project that varied a single concrete box construction into 15 different styles of 158 modular, interlocking homes near the Saint Lawrence River. For 10 points, name this Israeli-Canadian architect who designed the Habitat for Montreal's Expo 67.
ANSWER: Moshe **Safdie**

2. **King et. al. used this device to detect the fastest winds ever recorded around a stellar-mass black hole, at 3% of the speed of light. This device is the main source of data for the Carina Complex Project, which seeks to explain the diffuse emission from the Carina Nebula. The first light image obtained from this device revealed the point source at the center of** (\*) supernova remnant Cassiopeia A. The SMART-X is a potential successor to this telescope, which itself is a successor to the HEAO observatories and ROSAT. The main focal plane device on this telescope is the ACIS CCD Imaging Spectrometer. This telescope has far superior angular resolution to its European counterpart XMM-Newton, but a lower collecting area. For 10 points, name this satellite which is NASA’s main tool for X-ray astronomy.
ANSWER: **Chandra** X-Ray Observatory [or **CXO**; or **Advanced X-Ray Astrophysics Facility**; or **AXAF**]

3. **In one work in this genre, a woman pretends to go fetch a glass of water and purposely leaves a lit candle in a room with calico curtains, to start a fire. In another work in this genre, the protagonist’s disfigurement in a train accident allows her to become a governess for her family that she deserted. Lady Isabel Carlyle is reunited with her husband in that work in this genre, Ellen Wood’s *East Lynne*. The lawyer Robert finds out that his uncle’s wife was previously married to George Talboys and attempted murder by pushing him down a well in Elizabeth** (\*) Braddon’s *Lady Audley’s Secret*, an example of this genre. Its most prominent example contains an identity-swap arranged by Count Fosco which is exposed by Walter Hartright after the ominous appearance of Anne Catherick. For 10 points, Wilkie Collins’s *The Woman in White* started what Victorian literary genre that aimed to create excitement through intricate plots often involving criminals?
ANSWER: **sensation** novels [grudgingly prompt on thriller or suspense; do NOT accept or prompt on any substitute that mentions “mystery” or “horror”]

4. **Marxist art historian Francis Klingender argued that this painting was a “disguised response” to the Industrial Revolution and compared it to Francis Nicholson’s 1821 lithograph *Explosion and Fire at Shiffnal*. While painting it, the artist had a stroke. Robert Frank helped the Tate acquire its two companion paintings, one of which shows a throng of white spirits on a flowery hill above a mountain lake and is titled *The Plains of Heaven*. In this work’s left foreground, two black-robed women watch aghast as a nude woman tumbles headfirst off a cliff. Elsewhere, the artist’s trademark (\*)** lightning bolt strikes the ground next to a man with arms outstretched. Greek temples falling off a mountain, volcanic eruptions, and giant fucking boulders in the sky appear in, for 10 points, what depiction of Revelation 6, part of “Mad” John Martin’s triptych of *The Last Judgment*?
ANSWER: *The* ***Great Day of His Wrath*** [or *The* ***End of the World***; prompt on *The Last Judgment* until it is mentioned]

5. *General description acceptable.* **A supposedly nine foot tall rebel against this state of affairs defended resistance with the quote “I want only to...walk the waves and slay the big whale of the Eastern Sea.” After the death of a leader who fought this state of affairs, the Anarchy of the Twelve Warlords ensued. It ended when a navy was destroyed after being trapped on iron-tipped poles during high tide in a 938 battle. A revival of this state of affairs in the 1400s resulted in a suppression of the Chu nom writing system. The overall name for this state of affairs is (\*)** bac thuoc, and it was briefly stopped after a rebellion ultimately crushed by Ma Yuan. That resistance to this state of affairs legendarily featured a woman holding a baby in one arm and a sword in another during the defense of Nanyue. For 10 points, the Trung Sisters led a revolt that briefly ended what arrangement in which dynasties like the Han dominated a southern neighbor?
ANSWER: **China’s control of Vietnam** [or **Han control of Vietnam**; or **Liang control of Vietnam**; or **Sui control of Vietnam**; or **Ming control of Vietnam**; or the **Jiaozhi** period; accept “**bac thuoc”** until mentioned; accept **“Nanyue”** or **“Nam Viet”** for “Vietnam”; accept obvious equivalents in place of “control,” including **invasion** or **occupation**]

6. **Peter and Johnson first described the magnet effect with the example of these organisms.** **A genetic code for these organisms depends on four DEF-like genes that encode Class B MADS box proteins. The *Catasetum* genus of these organisms has explosive seta. These organisms are almost all resupinate, which causes their columns to be oriented up-to-down. A book titled for these organisms correctly theorized the existence of a** **moth with a very long (\*)** proboscis discovered forty years later. In the textbook example of pseudocopulation, they secrete alkenes thatmimic female pheromones. Right after *The Origin of Species*, Darwin discussed coevolution in a book titled for these organisms. Early in life, they are obligate myco-heterotrophs because their tiny seeds contain no nutrients. These bilaterally symmetric organisms have a labellum, fused stamen and pistil, and zygomorphic flowers. For 10 points, name this extremely diverse family of flowering plants that includes the *Vanilla* genus.
ANSWER: **orchid**s [or **Orchidacaea**; prompt on angiosperms; prompt on flowering plants]

7. **One thinker from this country discussed a colonel forgetting the name of a subordinate who sacrificed himself heroically, in a book asking if we have a duty to remember. Another thinker from this country argued that the “harm principle” must be subordinate to the “autonomy principle” in a work that seeks to provide a “liberal foundation for a political morality.” This is the country of origin of the author of *The Ethics of Memory,* as well as a philosopher who popularized the notion of perfectionist liberalism in *The Morality of Freedom* and wrote *The Authority of Law.* A thinker who spent his last decades here wrote that the human condition centers around the** (\*) dialogue in the “sphere of between,” and that God must be understood as an eternal subject. That thinker who settled here co-wrote a controversial German translation of the Bible with Franz Rosenzweig, and wrote *I and Thou.* For 10 points, identify this country home to Joseph Raz, Avishai Margalit, and Martin Buber.
ANSWER: **Israel** [accept **Mandatory Palestine**, **British Palestine**, or clear equivalents; do NOT accept or prompt on “Palestine”]

8. **In 2001, followers of this people’s mother goddess Chaxiraxi founded a neopagan church named for them. They believed in an underworld called Echeyde in which the sun god Magec was imprisoned, plunging the world into darkness until their chief god Achaman rescued Magec and imprisoned the evil deity Guayota under Echeyde’s entrance. The fish-shaped Zenata stone is an artifact of these people featuring inscriptions in the Tifinagh** (\*) script, linking them to a mainland people. Some Europeans have written that these people, whose legends feature kings called *mencey*s, are descendants of or escapees from a sinking Atlantis. These people, whose pre-Christian myths revered Mount Teide, include residents of La Gomera famed for their whistle speech. For 10 points, name these people genetically related to the Berbers, who reside on islands such as Tenerife off the western coast of Africa.
ANSWER: **Guanche** [or indigenous **Canary** Islands peoples]

9. **The failure of contemporary histories to properly document the location of this collection has been loudly pointed out by scholars such as A.W. Gomme and Russell Meiggs. Each year, one-sixtieth of it went to an explicit use under the label “aparkhai,” meaning first-fruits. This collection was assembled from various forms of *phoros* and administered by ten officials known as the Hellenotamiae. Its physical location was moved amid panic caused by the failure of an expedition to support Prince Inaros, who was fighting (\*)** Megabyzus in Egypt. Many believed that the Peace of Callias led to this collection being exploited by one city. This collection’s mandatory contribution reached as high as 1500 talents and it was used to fund the Parthenon after it was moved to Athens by Pericles. For 10 points, name this hoard of tribute used to fund a Greek military alliance based on the island where Apollo was born.
ANSWER: the **treasury** of the **Delian League** [accept synonyms like **funds** for “treasury,” prompt on Athenian or Athens treasury until “Athens” is mentioned]

10. **While looking out of a window, a character in this novel sees a dog grab her favorite puppy with her teeth and lift its hind leg in order to teach it to pee standing up. As a child, the protagonist of this novel was molested by her uncle's friend Major Boam. This novel begins with its protagonist stealing a mink coat from her lover in revenge for him violently tearing her dress the night before. This novel ends with its protagonist being mangled by falling into the wheel of a steamboat, and fictionalizes the last days of the socialite** (\*) Starr Faithfull. The first two letters of this novel's title are capitalized, as its title refers to an old telephone exchange name used in Manhattan. This 1935 novel focuses on the affair between Weston Liggett and Gloria Wandrous. Published one year after its author’s first novel, *Appointment in Samarra,* for 10 points, name this novel by John O'Hara.
ANSWER: ***BUtterfield 8***

11. **Edwin Vedejs upended the once-prevalent Bergelson mechanism for this reaction by showing the NMR spectrum of a pseudo-rotamer intermediate has peaks at -60 ppm, not 10 ppm. The product distribution of this reaction depends on if an intermediate is “stabilized” or just “semi-stabilized.” Its intermediate is analogous to the intermediates in the reactions of the Seyferth-Gilbert reagent and Tebbe’s reagent. This reaction’s intermediate converts between diastereomers at high temperatures due to stereochemical (\*)** drift. A dibromocarbene undergoes this reaction, then an alpha elimination, in the Corey-Fuchs mechanism. Unusually, the lithium-salt free version of this reaction is under kinetic control to form the more unstable Z-product. Its crucial intermediate is either an *erythro* zwitterion separated by two carbons, a four-member oxaphosphetane ring, or both. For 10 points, name this classic carbonyl-to-alkene reaction which uses a phosphonium ylide.
ANSWER: **Wittig** reaction

12. **In a passage of this book, the author is told about a man who was forced to perform with lipstick around his navel and a paper bag on his head until he was physically unable to move. This book opens with the narrator being mistaken for part of the Episcopalian bishop’s convention that is in town. The narrator of this book describes being made to perform in a comedy sketch about a “truth machine” in the “rookie show.” George Wilson was aware of the plan at the center of this book, which became apparent to Joe Schmidt and Wayne** (\*) Walker after the protagonist of this book lost yardage on five consecutive plays. This book’s gimmick was applied to hockey in the later book *Open Net*, in which the author played in goal for the Boston Bruins. For 10 points, name this 1966 book of “participatory journalism” in which George Plimpton tried to become the third-string quarterback for Detroit’s NFL team.
ANSWER: ***Paper Lion****: Confessions of a Last-String Quarterback*

13. **This work warns that ye "take heed lest…ye plunge your hands into bowls and platters" of food. Apostrophes in this work call out the "Land of Ta," the "Land of Kha," the "banks of the Rhine," and the "Emperor of Austria," among others. This book forbids kissing a superior's hand, and its 36th of 190 verses laments "How many a man hath secluded himself in the climes of India" to condemn monasticism. It sets times for the Obligatory Prayer, which must be said individually, and advocates repeating the greatest name of God 95 times each day. This work mandates premarital dowries of** (\*) 19 gold mithqals in cities, and sets a fixed "Point of Adoration," or *Qiblih* [kee-BLEE], at the tomb of "He Whom God will make manifest". It was described as a "Charter of the future world civilization" by Shoghi Effendi. Houses of Justice may *not* overrule laws set forth in, for 10 points, what central legal text and "Most Holy Book" by Baha'ullah?
ANSWER: *Kitab-i-****Aqdas*** [accept *The* ***Book of Laws*** before "laws"; accept *The* ***Most Holy*** *Book* until mentioned; prompt on Baha'i law code; prompt on Baha'ullah's writings or similar descriptive answers before "36th"]

14. **The largest source of high-energy lab radiation in the world relies on this effect to generate the photons and is powered by 36 Marx generators. The two basic geometries for this effect are both traditionally analyzed using cylindrical coordinates, and can be combined to create the “screw” type of it. In a laboratory frame, the linear charge density of a current-carrying wire remains zero even though this effect causes a negative volume charge density in certain regions. A** **capacitor bank to provides a strong** (\*) current pulse in the axial direction to start a magnetic field in the ‘Z’ version of this effect used by certain fusion generators and the Z machine at Sandia. For 10 points, name this effect arising from the Lorentz force, in which the magnetic field generated by a current causes the current carrier to constrict.
ANSWER: **pinch**ing [accept more specific answers like **Z-pinch** or **theta-pinch** before “Z”]

15.**A member of this family used the alias “Valenti” when joining Oliver Churchill on Operation Fairway, which parachuted them behind enemy lines near Bergamo. A non ancient member of this family reportedly revived the concept of decimation to cut down on desertions after losing a lot to Franz Conrad’s forces. Another member of this family led an army that destroyed a wall near the Porta Pia on September 20, 1870, officially capturing Rome during the Risorgimento. That member of this family had a grandson who led the Group of Volunteers for Freedom after defecting from (\*)** Mussolini’s army. The most famous member of this family was replaced by Armando Diaz after twelve failed battles near the Isonzo River, culminating in a humiliating beatdown by the Germans at Caporetto. For 10 points, name this family of two Raffaeles and Italy’s incompetent World War I chief general, Luigi.
ANSWER: **Cadorna**

16. **According to Juan Linz, this political phenomenon is characterized by "mentalities," which are more flexible than ideologies. A data set of all examples of it since 1945 was gathered for a game-theoretic paper on its "Breakdown" by Barbara Geddes. A study with its adjective form in its title often contrasts college students dubbed "Mack" and "Larry;" that study's authors included Else Frankel-Brunswik, Nevitt Sanford, and Daniel Levinson. According to a 2012 book by Milan Svolik, the resolution of two "fundamental" problems underpins the *Politics of* this sort of** (\*) *Rule*. " Karen Stenner relates its prevalence to "perceived threat." Anti-intraception, projectivity, and exaggerated concern about sex are among nine factors in the psychology conducive to it, according to a 1950 study which introduced the "F-scale" test. For 10 points, Theodor Adorno studied the *Personality* underlying what type of non-democratic rule?
ANSWER: **authoritarian** rule [or **authoritarian**ism; accept **autocrat**ic regime until "adjective"; accept *The* ***Authoritarian*** *Personality*; prompt on non-democratic or dictatorial or illiberal; anti-prompt on fascism or fascist; do NOT accept or prompt on "totalitarian" -- Linz's work specifically distinguishes authoritarian from totalitarian]

17. **One of this writer’s poems repeats the line “List, good Moon, where I learnt my loving.” Another poem by him considers a memorial to an earlier poet, urging its viewer to say, “Youth and beauty pleased him best.” It is unclear whether the line “‘Twas in the blood” was meant with sly irony, in a panegyric celebrating the incestuous marriage of this poet’s benefactress to her own brother, the king of Egypt. Another of his poems ends with two men exchanging a pipe and flute to signal that neither has lost their** (\*) singing contest. Gorgo and Praxinoa set out through crowded streets to observe the Adonis Festival in one of this poet’s urban poems, a genre called *mime*. His first work in a certain genre describes the death of Daphnis, and he described the cyclops Polyphemus curing himself of love through song. This poet is referred to as Simichidas in a poem depicting a feast on his home island of Kos. For 10 points, identify this ancient Greek poet, who pioneered bucolic poetry in his *Idylls*.
ANSWER: **Theocritus**

18. **Stockhausen’s many pieces for this instrument include *Freia*, *In Freundschaft*, and *Evas Spiegel*. In Richard Strauss’s *Elektra*, this instrument repeatedly echoes the motif associated with the desecration of the heroine’s hair. Two oboes are answered by a chord including three of these instruments at the opening of Mozart’s *Masonic Funeral Music*. It joins the piano and clarinet in Felix Mendelssohn’s Opus 113 and 114 for the Baermann brothers; and Carl Stamitz wrote a notable concerto for it in G major. This instrument names the pseudonym under which George Bernard** (\*) Shaw wrote music criticism. Two bassoons play together with two of these over walking strings at the very opening of Mozart’s *Requiem*. This was the lowest instrument commonly played by virtuoso Anton Stadler. Like the English horn, this woodwind is typically pitched in F. For 10 points, identify this single-reed woodwind instrument, which is sometimes replaced in modern performance by the similarly shaped bass clarinet.
ANSWER: **basset horn** [or ***corno di bassetto***; grudgingly prompt on clarinet; do NOT prompt on or accept “basset clarinet” or “bass clarinet”]

19. **Political opposition to this man dissipated after Pierre Le Moyne d’Iberville led a raid in retaliation for the Lachine Massacre. This man took power shortly after an opponent declared “I rather would see the Towne on fire than to be commanded by you,” prompting Abraham de Peyster to attack Fort James in support of this man. He died alongside his son-in-law and second-in-command, Jacob Milborne. This leader’s authority was accepted after 60 people died in the (\*)** Schenectady Massacre, which was perpetrated by the French and their Mohawk allies. This man settled Huguenot refugees in what is now New Rochelle. He was executed on order of Henry Sloughter, who had been appointed the new colonial governor by William III. For 10 points, name this militia leader who targeted Francis Nicholson in a namesake rebellion in New York in the aftermath of the Glorious Revolution.
ANSWER: Jacob **Leisler**

20. **In this play, a husband swears that he will cease to complain about his wife’s untidiness if she makes the sacrifice of eating cabbage. In one scene in this play, dancers refuse to bestow a laurel wreath on one character, because he has defended criminals and the poor too well. A character in this play starts a lawsuit to open a door with a cloverleaf-shaped hole in it. That character in this play is a military officer who ages rapidly as he waits by an opera house for a prima donna named Victoria. During a** (\*) cholera epidemic in this play, the Quarantine Master forces a newlywed couple to enter a sulphurous oven. This play ends at a castle in a forest of hollyhocks, whose dome blooms into a chrysanthemum. It coined the proverb: “Human beings are to be pitied,” which is repeated constantly by a goddess who marries a lawyer. For 10 points, name this play in which Agnes, the daughter of Indra, descends to earth to witness human suffering, by August Strindberg.
ANSWER: *A* ***Dream Play*** [or *Ett* ***drömspel***]

21. **Along with people bowing their heads in flax robes, one of *these* was spotted in 1886 near Mount Tarawera in New Zealand, and is said to have portended the eruption of that peak days later. One of these is brought spirits of the dead by mermaid-like beings known as Pincoya; that one, the Caleuche, figures into a legend of Chiloe Island in Chile. Residents of Prince Edward Island and Nova Scotia tell of one of these which is permanently on fire. People whose work required use of these inanimate objects hoped for a lush afterlife where music and dancing never cease, called** (\*) Fiddler's Green. The Cape of Good Hope figures into the legend of one of these; that one names an opera in which Senta falls for the immortal Daland, who is bound to one. For 10 points, identify these eerie vehicles exemplified by the Flying Dutchman.
ANSWER: ghost **ship**s [or ghost **boat**s; accept **canoe** or **waka** until "Pincoya"; prompt on ghosts or apparitions or spirits or mirages or illusions]

**Bonuses**

1. The counterparts to these structures are named for Caspar Friedrich Wolff and develop into the epididymis and vas deferens in males. For 10 points each:
[10] Name these structures which disappear during embryonic development in males but which develop into the uterus and cervix in females. A hormone named for inhibiting these structures is produced by Sertoli cells.
ANSWER: **Müllerian** ducts [or **paramesonephric** ducts; or anti-**Müllerian** hormone]
[10] The Sertoli cells in males that produce anti-Mullerian hormone localize to the seminiferous tubules in these male gonad organs.
ANSWER: **testes** [or **testis**; or **testicle**s]
[10] Because the anti-Müllerian hormone receptor is a member of the TGF-beta receptor superfamily, it acts as a serine kinase on these downstream transcription factors, which are usually prefixed either R-, co-, or I- and are only imported into the nucleus as heterodimers.
ANSWER: **Smad**s

2. In this work, the Frisian surveyor Hauke Haien learns Dutch in order to study a Dutch edition of Euclid’s *Elements*. For 10 points each:
[10] Identify this novella by Theodor Storm, in which Hauke fails to complete the construction of a new dyke before his wife and daughter are swept away by a storm surge.
ANSWER: *The* ***Rider on the White Horse*** [or *Der* ***Schimmelreiter***]
[10] While in Baden-Baden, Storm became a close friend of this Russian writer of *King Lear of the Steppes*, who created the nihilist and careless performer of autopsies, Yevgeny Bazarov.
ANSWER: Ivan (Sergeyevich) **Turgenev**
[10] Storm wrote a novella titled for a man named Paul who works with these objects. Heinrich von Kleist’s most famous aesthetic essay describes a conversation with a man who finds these objects more graceful than humans.
ANSWER: **puppet**s [or **marionette**s]

3. Handel was not the only composer who wrote an opera based on the myth of Acis and Galatea. For 10 points each:
[10] The famous bass Jean Dun originated the role of Polyphème in this composer’s *Acis et Galatée*. This frequent collaborator with Philippe Quinault was court composer to Louis XIV, and died from a gangrenous foot wound.
ANSWER: Jean-Baptiste **Lully**
[10] Luis de Góngora’s *Fábula de Polifemo y Galatea* was the basis for a popular work by the Majorcan composer Antoni Lliteres Carrió in this Spanish genre, whose modern form is like a hybrid of musical theater and operetta.
ANSWER: ***zarzuela***
[10] The impressionistic opera *Polyphème* is the masterpiece of this Breton composer and naval officer, whom Henri Duparc called “the son of my soul”. His other pieces include the *Poèmes intimes* for piano, and three violin sonatas titled *The Spirit, The Soul,* and *The Flesh*.
ANSWER: Jean (Émile Paul) **Cras**

4. Answer the following about crime in the 1980s for 10 points each.
[10] In 1989, this serial killer was executed for murdering at least thirty people, most of them female college students. Despite his clean-cut image, he decapitated the corpses of his victims and engaged in necrophilic acts with them as well.
ANSWER: Theodore “Ted” **Bundy** [or Theodore “Ted” **Cowell**]
[10] This serial killer murdered at least thirteen people in the Los Angeles and San Francisco areas during the mid 1980s. An avowed Satanist, he mused “see you in Disneyland” after receiving the death penalty.
ANSWER: Richard **Ramirez** [or Ricardo **Ramirez**; or the **Night Stalker**]
[10] In April 1986, John MacDougall used this alias to jam HBO’s satellite signal and broadcast a protest message against high prices. MacDougall took this name from a 1979 cult movie and not a radio show.
ANSWER: **Captain Midnight**

5. There are many groups of fantastic beings in Chinese mythology. For this bonus, you won't need to use any Chinese to identify them. For 10 points each:
[10] Like seasons, these concepts were linked by the Chinese to four sacred beasts: Azure Dragon, Vermillion Bird, White Kirin, and Black Tortoise. The Buddhist Four Heavenly Kings and the Egyptian sons of Horus each correspond to one.
ANSWER: cardinal **direction**s [accept answers indicating **north**, **south**, **east**, and **west** in any order]
[10] In Chinese myth, the Jade Emperor reorganized Diyu by setting up "Ten Kings" to perform this task.
ANSWER: **judge**s of the **dead** [or **judge**s of **hell**; or **magistrate**s of **hell**; or **Yama** kings; accept any answer indicating that these determine what reward or punishment is fit for newly-dead people]
[10] The triad of Fu, Lu, and Shou are gods representing three of these things, which in turn represent happiness, prosperity, and longevity.
ANSWER: **star**s [or Three **Star** Gods of Happiness; or San**xing**; accept answers mentioning all of **Jupiter**, **zeta Ursae Majoris**, and **Canopus** in any order]

6. Gerald Kaufman described this document as the “longest suicide note in history.” For 10 points each:
[10] Kaufman was talking about what political document principally drafted by men like Michael Foot? This 1983 document called for proposals such as a withdrawal from the European Economic Community. Description is acceptable here.
ANSWER: The 1983 election **manifesto** of the **Labour** Party [or “The **New Hope for Britain**”; accept words like **platform** for “manifesto”]
[10] The Labour Party manifesto also urged for the abolition of this institution which expelled many hereditary peers as part of 1999 reforms.
ANSWER: **House of Lords** [or **Right Honourable the Lords Spiritual and Temporal of the United Kingdom of Great Britain and Northern Ireland in Parliament assembled**; prompt on House of Peers]
[10] Using the alias “Cato,” Michael Foot and two other journalists working for Lord Beaverbrook wrote this book, a 1940 bestseller published by the Left Book Club.
ANSWER: ***Guilty Men***

7. This group can be defined as the Sylow p-subgroup of the rationals modulo the integers and is isomorphic to the p-th roots of unity in the complex numbers. For 10 points each:
[10] Name this exotic group which is used in the study of divisible groups. It can be thought of as the union of infinitely many groups of order p to the ith power, each generated by a single element.
ANSWER: **Prüfer** p-**group** [accept answers like **C-p-infinity** or **Z-p-infinity**]
[10] The Prüfer p-group is considered to be quasi-*this*. The integers modulo n under addition form a group of this type of order n. Finite groups of this type one eventually returns to the identity element after performing it enough times.
ANSWER: **cyclic**
[10] Divisible groups can be characterized as a direct product of Prüfer p-groups with a direct product of copies of this number system. The real numbers form a divisible group precisely because it can be thought of us the direct product of two to the aleph-null copies of this number system.
ANSWER: **rational** numbers [or **Q**]

8. The Austrian explorer Ida Pfeiffer was unwittingly involved in a scheme to overthrow this ruler. For 10 points each:
[10] What ruler was targeted in a failed coup planned by Joseph-Francois Lambert, the negotiator of the Lambert Charter? This monarch exiled Lambert, who later returned in a new regime to become the Duke of Merina.
ANSWER: Queen **Ranavalona I** [or **Ramavo**; or **Ranavalo-Manjaka I**; or **Rabadoandrianampoinimerina**]
[10] Ranavalona I ruled the Merina kingdom that dominated this island until the end of the 19th century.
ANSWER: **Madagascar**
[10] Ranavalona administered this ordeal to determine the potential guilt of subjects. Those on trial ingested poison from nuts along with chicken skin pieces; you were innocent if you successfully vomited up all the chicken skin and survived.
ANSWER: the **tangena** ordeal

9. This composer’s eighth book of madrigals pioneered the *stile concitato*, in which repeated notes were used to express agitation. For 10 points each:
[10] Name this Italian composer whose fifth book of madrigals included “Cruda Amarilli,” which raised the ire of Giovanni Artusi.
ANSWER: Claudio (Giovanni Antonio) **Monteverdi**
[10] In their polemical exchanges with Artusi, Monteverdi and his brother coined this two-word Italian term for their new style of music, which flouts the contrapuntal conventions of Zarlino and Palestrina in service of vivid textual expression. It is sometimes conflated with the *stile moderno* [STEE-lay moh-DAIR-noh].
ANSWER: ***seconda practica***[or ***seconda prattica***]
[10] From 1926 to 1942, this Italian musicologist and composer created a complete edition of Monteverdi’s works. This composer of *L’Orfiede* dedicated his opera *Giulio Cesare* to Mussolini, to curry favor with the fascists.
ANSWER: Gian Francesco **Malipiero**

10. In this poem, the speaker rages, “Come, bombs, and blow to smithereens those air-conditioned, bright canteens, tinned fruit, tinned meat, tinned milk, tinned beans, tinned minds, tinned breath.” For 10 points each:
[10] Identify this poem that opens with the line “Come friendly bombs and fall on” the title town in Berkshire.
ANSWER: “**Slough**” [rhymes with “plow”]
[10] “Slough” appears in the collection *Continual Dew* by this British Poet Laureate, who discussed Victorian architecture in *Ghastly Good Taste* and *First and Last Loves*.
ANSWER: John **Betjeman**
[10] This man succeeded Betjeman as Poet Laureate. This author of “The Hawk in the Rain” described his reaction to the death of his wife Sylvia Plath in his final collection *Birthday Letters*.
ANSWER: (Edward James) “Ted” **Hughes**

11. This work includes many references to the sexual practices of Tahitians, and it includes such sections as “Whether it robs population” and “Whether it hurts women.” For 10 points each:
[10] Name this essay by Jeremy Bentham that was the first prominent work to call for the decriminalization of sodomy in England.
ANSWER: ***Offenses Against Oneself***
[10] By way of contrast, this conservative British philosopher labeled homosexuality a form of perversion in his influential 1986 book *Sexual Desire*. His many works on beauty include *The Aesthetics of Architecture* and *The Aesthetics of Music*, and he was notoriously successfully sued for libel by the Pet Shop Boys.
ANSWER: Roger **Scruton**
[10] Scruton’s book *Sexual Desire* includes a lengthy critique of this ambitious three-volume work by Michel Foucault, which includes the volumes *The Use of Pleasure* and *The Care of the Self.*
ANSWER: *The* ***History of Sexuality***[or ***L’Histoire de la sexualité***]

12. A 2015 *New Yorker* review by Akhil Sharma dubbed this book “the best work of journalism written in the nineteenth century.” For 10 points each:
[10] Name this nine-segment book by Anton Chekhov, a chronicle written at the title katorga site while under the double pretense of a medical researcher pretending to take a census.
ANSWER: ***Sakhalin*** *Island* [or *Ostrov* ***Sakhalin***]
[10] At Sakhalin, Chekhov met this legendary female Robin Hood of Russia, who robbed the banker Dogmarov of 43,000 rubles on a train and trained a pet monkey to swallow jewels. She has become a saint figure among Russian criminals, who pray at her grave.
ANSWER: **Son’ka** the Golden Hand [or Sofia **Blyuvshtein**; accept as her first name **Sonka**, **Sofia**, or **Sonya**]
[10] Katorga prison sites contained such criminals as soldiers who took part in this failed uprising against Nicholas I in 1825. Participants in this event supported Duke Constantine.
ANSWER: **Decembrist** revolt

13. This syntactic property was first identified as the default for unmarked expressions in Hixkaryana, a Carib language spoken by about 500 people. For 10 points each:
[10] Identify this rarest of the world's unmarked natural-language word order typologies, attested in just under a dozen known languages.
ANSWER: **Object-verb**-subject word order [or **Object-verb**-agent word order; prompt on object-first]
[10] Hixkaryana is spoken in this country, where Dan Everett does hotly-debated linguistics research. Nheengatu, which uses postpositions and not prepositions, is something of an indigenous lingua franca here.
ANSWER: Federative Republic of **Brazil** [or República Federativa do **Brasil**]
[10] This Germanic language, whose speakers brought exclamations such as "Enough already!" and "Gevalt!" into English, can use object-first word order for emphasis. The main verb must be the second word of a sentence in this language, which often ends inquisitive sentences with "nu?"
ANSWER: **Yiddish**

14. In this process, the electrical double layers formed around charged particles attract at very close separation distances. For 10 points each:
[10] Name this process facilitated by clarifiers like aluminum sulfate, which destabilizes colloid particles in a suspension and causes them to clump together. Its namesake small particles then get bigger during Ostwald ripening.
ANSWER: **flocculation** [or word forms; prompt on **agglomeration**; prompt on **coagulation**]
[10] Ostwald ripening is the driving force for this analytical technique, in which the analyte is precipitated chemically, then filtered, dried, and weighed. It’s the basis of those stoichiometry problems you did in tenth grade.
ANSWER: **gravimetric** analysis [or word forms]
[10] Aluminum sulfate is often used as a clarifying agent because of its high valence, since the Schulze-Hardy rule, which is derived from DLVO theory, predicts that the critical clarifier concentration for flocculation depends on the valence raised to this power.
ANSWER: **-6** [or **negative six**th power]

15. In a comic sequence, this novel’s protagonist ruins all of his white suits by popping buttons, tearing pants, and finally sitting down in a box of wet paint. For 10 points each:
[10] Name this novel that describes William Baxter’s adolescent experience of love in Indianapolis during the summer of 1916.
ANSWER: ***Seventeen***
[10] This author, who previously satirized Midwestern adolescence in *Penrod*, followed up *Seventeen* with *The Magnificent Ambersons*.
ANSWER: (Newton) Booth **Tarkington**
[10] A different Indianapolis native wrote this dialect poem about the “goodest man ever you saw” who “milks the cow fer ‘Lizabuth Ann.”
ANSWER: “The **Raggedy Man**” [by James Whitcomb Riley]

16. Answer some questions about Bishop Macedonius I of Constantinople, who had a lot of people tortured and murdered during the dogmatic disputes of 4th-century Christianity. For 10 points each:
[10] When not called Semi-Arians or Macedonians, Macedonius's followers were referred to by this term, for their denial of the divinity of the Holy Spirit.
ANSWER: **Pneumatomach**ians [or **Pneumatomach**oi][meaning "Spirit-fighters"]
[10] Macedonius disinterred and moved the remains of this leader, who called for the Council of Nicaea and proposed the use of the term *homoousios* to describe the Son's consubstantiality with the Father there.
ANSWER: **Constantine** I [or **Constantine** the Great]
[10] Macedonius persecuted the Novatians, who were also opposed by a bishop of this place named Cyprian. Donatus, who agreed with the Novatians that priests who recanted under persecution should not be let back into the Church, feuded with the bishop here.
ANSWER: **Carthage** [or **Karthago**; prompt on North Africa]

17. What is the second sound of one phonon Umklapping? If you don’t know what those words mean, you won’t like this bonus. For 10 points each:
[10] In general, second sound is a collective excitation carried not by a medium, but by density perturbations in these types of particles, which are formed via spontaneous symmetry breaking.
ANSWER: Nambu–**Goldstone** bosons
[10] Second sound is harder to observe in the presence of Umklapp scattering— that is, scattering in which the sum of incident and resultant phonon momenta is equal to one of these vectors.
ANSWER: **reciprocal** lattice vectors
[10] This type of attractive restoring force, not gravity, is responsible for the propagation of third sound in a Rollin film in the helium-II state.
ANSWER: **van der Waals** forces [accept **dispersive adhesion**; prompt on adhesion]

18. In a legend named for this mountain, a magical princess who lived on it got so annoyed with her husband tickling her ribs that she killed him with a sewing needle. For 10 points each:
[10] Name this often-climbed mountain in Malaysia. In another legend, the Sultan of Malacca met six ridiculous demands to try and marry a princess of this mountain, but failed the last test when he couldn't collect a jar of his only son's blood.
ANSWER: **Gunung Ledang** [or Mount **Ophir**]
[10] Gunung Ledang is located in this state on the southern tip of the Malay peninsula, named for a sultanate founded by Alauddin Riayat Shah II after the fall of Malacca to the Portuguese.
ANSWER: **Johor** [accept **Johore**, **Darul Ta‘zim**, the **Abode of Dignity**, or the **Land of Dignity**]
[10] Malaysia's *highest* peak, Mount Kinabalu, is home to this genus of parasitic leafless plants whose huge flowers can be as large as three feet in diameter. Its *arnoldi* species smells so bad that it is called the "corpse flower."
ANSWER: ***Rafflesia*** *arnoldi*

19. In this work, the deity “Orgun the Dog-eater” symbolizes the title entity, which is the site of numerous canine deaths. For 10 points each:
[10] Identify this dramatic work featuring the corrupt traffic cop Particulars Joe and the truck driver Samson, who is employed by the “No Danger No Delay” company.
ANSWER: *The* ***Road***
[10] *The Road* is a play by this Nigerian author of *Kongi’s Harvest*, who wrote a play in which Simon Pilkings prevents Elesin from committing ritual suicide.
ANSWER: (Akinwande Oluwole) “Wole” (Babatunde) **Soyinka**
[10] In this second novel by Soyinka, written after *The Interpreters*, Ofeyi is surprised to become the Custodian of the Grain for the town of Aiyeru.
ANSWER: ***Season of Anomy***

20. A group of blindfolded soldiers march over planks through a field full of corpses after a mustard gas attack in a World War I painting by this artist. For 10 points each:
[10] Identify this foreign-born American painter of *Gassed*.
ANSWER: John Singer **Sargent**
[10] This Swiss-born member of *Les Nabis* (nah-BEE) planned a series of *ukiyo-e*-inspired woodcuts about World War I called *This Is War?*, which were left unfinished. His oil painting *Verdun* shows black smoke billowing from a burning forest.
ANSWER: Félix **Vallotton** [or Félix-Emile-Jean **Vallotton**]
[10] Germany’s impending defeat in the war influenced this disturbing Max Beckmann painting, where a man bursting into the cramped tent is about to abduct a child. In the foreground of this painting, a partially naked woman has her hands bound and has presumably just been raped.
ANSWER: *The* ***Night*** [or *Die* ***Nacht***]

21. Horn's Theorem proves the optimality of the EDF algorithm for this task, which can be modified to handle arbitrary arrivals. For 10 points each:
[10] Identify this type of task, which might be implemented with a "completely fair" algorithm.
ANSWER: task **scheduling** algorithm [or **scheduler**]
[10] One of the simplest scheduling algorithms is to handle tasks in this four-word order, which is the same way that data flows through a queue.
ANSWER: **first-in first-out** [or **FIFO** or **first come, first served** or **FCFS**]
[10] In this type of scheduling problem, each job has operations that have to be performed on a machine capable of processing just one operation at a time. Unlike the "flow" or "job" variants of this problem, there aren't any ordering restrictions on the operations.
ANSWER: **open-shop** scheduling