

18. This word means “the crushing” and it refers to the chain of events begun by the defeat of the Ndwandwe and Qwabe. For ten points each...

1. Name this 1820’s event in which tribes driven out by Zulu expansion warred with tribes in further outlying areas, causing a chain reaction that destroyed most South African native societies.

Answer: the **Mfecane**

2. This leader’s military tactics of “chest, horns, and loins” enabled the Zulu *impi* to win the series of battles that began the Mfecane.

Answer: **Shaka** Zulu

3. This Mtetwa Nguni chief began the expansionist and assimilationist plan further executed by his nominal vassal Shaka. Shaka achieved free reign over the Zulu borderlands when this man was killed by Zwibe in 1817.

Answer: **Dingiswayo**

19. His dramas include *The Power of Darkness* and *The Fruits of Enlightenment*. For ten points each...

1. Name this author also known for stories about the innkeeper Vasili Brekhunov and Alyosha the Pot.

Answer: Leo Nikolayevich **Tolstoy**

2. The narrator tells the story of Vaslya Pozdnishef, who murders his wife with a curved Damascus dagger when he catches her with Trukhashevsky, in this short novel by Tolstoy.

Answer: *The **Kreutzer Sonata*** (or ***Kreytserova sonata***)

3. Ensign Alanin dies after in this short story. The titular military action is led by Captain Pavel Hlopov, who relates his tale to the narrator.

Answer: “The **Raid**” (or “**Nabeg**: Razskaz volontera”)

20. Name the following from a subject that Chris Frankel’s finds annoyingly esoteric, Celtic myth, for ten points each.

1. Fergus mac Roich cut off the tops of three hills with this trusty sword of his during the Cattle Raid of Cooley.

Answer: **Caladbolg**

2. The black shield Duban, the short spear Del Chliss, and the barbed spear Gae Bulg were among the combat implements used by this husband of Emer and hero of the Red Branch cycle.

Answer: **Cu Chulainn** (or **Setanta**)

3. After lifting up a boulder, Ossian found this seashell-shaped horn, which he could blow to summon all the Fenians.

Answer: **Borabu**

14. He ordered the execution of Francisco Madero after joining a rebellion against that man despite being Madero's chief of staff. For ten points per part...

1. Name this man whose seventeen-month reign as Mexican dictator was ended by the constitutional rebellion of Carranza and Obregón.

Answer: Victoriano **Huerta**

2. The low point of Huerta's presidency came after the arrest of U.S. Marines at this city led to the occupation of Veracruz and Henry Ti Mayo's demand that Mexican troops salute the American flag.

Answer: **Tampico**

3. War between the U.S. and Mexico over the Tampico affair was averted by the mediation of three South American countries known by this collective name.

Answer: the **ABC** powers

15. It is used to prepare alkenes by reacting an aldehyde or a ketone with an ylide from a phosphonium salt. For ten points each...

1. Identify this useful chemical reaction.

Answer: the **Wittig** reaction

2. This variant on the Wittig reaction produces olefins with E-selectivity. It is sometimes named for Wadsworth and Emmons.

Answer: the Wittig-**Horner** reaction (or **Horner**-Wadsworth-Emmons reaction)

3. This modification of the Wittig reaction allows the selective formation of E-alkenes by using lithium salts during the ylide addition.

Answer: the **Schlosser** modification

16. Give these terms related to the Qu'ran for ten points each.

1. In contrast to the *juz*, there are 114 of these chapters in the Qu'ran. They all take the form of an address from God and, with the exception of the ninth, they open with a *basmallah*.

Answer: **surahs**

2. Recited for the dead and at the beginning of the *ra'kah* of each daily prayer, this seven-verse incantation opens to the Qu'ran.

Answer: the **Fatihah** *al-kitab*

3. The text of the Qu'ran was standardized at the urging of Uthman from manuscripts held by this daughter of Umar and wife of Mohammed.

Answer: **Hafsah**

17. He wrote the lost "Sir Thomas Overbury's Ghost" and he has been credited as a writer on *The Spanish Gypsy* along with two men with whom he often worked. FTPE...

1. Name this dramatist who told of King Aegnor and Prince Palador, the latter a sufferer of the title affliction, in *The Lover's Melancholy*.

Answer: John **Ford**

2. Giovanni loves his sister Annabella, physically, eventually knocking her up, then killing her, in this John Ford drama.

Answer: **'Tis Pity She's a Whore**

3. This dude who collaborated with Ford also had a thing for whores, as evidenced by his two part series on the "honest" Bellafront. He also wrote the satirical pamphlet "The Gull's Hornbook."

Answer: Thomas **Dekker**

10. Name these philosophers born in the sixteenth century for ten points each.

1. This Italian advocate of Copernican heliocentrism pondered on the infinity of the universe. He also argued about the limits of ideas in *The Incantation of Circe* and *The Shadow of Ideas*.

Answer: Giordano **Bruno**

2. An early natural law theorist, he wrote a treatise arguing for freedom of the seas and his *On the Law of War and Peace* is sometimes called the first work of international law. He also escaped in a trunk after being imprisoned by Maurice of Nassau.

Answer: Hugo **Grotius** or Hugo **de Groot**

3. He feuded with Descartes over his critiques of the *Meditations* and wrote the *Syntagma Philosophica*. He is better known for reviving an interest in atomism with his essays on Epicurus.

Answer: Pierre **Gassendi**

11. First proposed by Morgan in 1972, they are loosely defined as narrow regions of thermal upwelling balanced by diffuse downwelling. For ten points each...

1. Identify these entities posited by models of thermal convection in the Earth.

Answer: mantle **plumes**

2. An experiment called PLUME, partly consisting of collaborators from Scripps and Woods Hole, will examine the Hawaiian plume to try to determine if it penetrates this boundary between the upper and lower mantle.

Answer: the **660**-kilometer discontinuity

3. A 2004 *Science* paper claimed to have discovered at least six “well-resolved” plumes extending into the lower mantle by analyzing the velocity profiles of these longitudinal body waves.

Answer: **primary** waves

12. The title creature is described as “this morning’s minion, king-/dom of daylight’s dauphin” in the first stanza. For ten points each...

1. Name this poem addressed “To Christ Our Lord” about a “dapple-dawn-drawn Falcon” that causes the poet’s “heart in hiding” to “stir for the bird.”

Answer: “The **Windhover**: To Christ Our Lord”

2. This poet known for his “sprung rhythm” wrote “The Windhover” as well as “Inversnaid” and “Pied Beauty.”

Answer: Gerard Manley **Hopkins**

3. Hopkins asks “is he dead yet?” of the title farrier of this sonnet, who “didst fettle for the great grey drayhorse his bright and battering sandal!”

Answer: “**Felix Randal**”

13. Name these acts that provided music for memorable closing scenes on *Futurama* for ten points each.

1. This *shibuya-kei* band behind *Happy End of the World* saw their song “Baby Love Child” off the *Made in the USA* album used for the montage of parenting moments at the end of “Leela’s Homeworld.”

Answer: **Pizzicato Five**

2. She hit it big with “Who’s Sorry Now,” “Stupid Cupid,” and the JFK tribute “In the Summer of His Years.” One of this singer’s minor hits, “I Will Wait for You,” that provided the soundtrack for Fry’s dog Seymour dying and thus makes Internet nerds everywhere cry.

Answer: Connie **Francis** (or Concetta Rosemarie **Franconero**)

3. This group behind such albums as *Reel to Real Cacophony* and *Street Fighting Years* probably should have kept their original name, Johnny and the Self-Abusers. In any case, the *Breakfast Club* soundtrack includes their “Don’t You Forget About Me,” which was later used to close “The Luck of the Fryrish.”

Answer: **Simple Minds**

5. It gives a lower bound for the chromatic number by taking the floor function of an arithmetic operation on a certain parameter. For ten points each...

1. Identify this mathematical statement, which does not hold for spheres.

Answer: the **Heawood** conjecture

2. In addition to the sphere, the Heawood conjecture fails for this object, which may be understood as two joined Mobius strips.

Answer: the **Klein** bottle

3. To calculate the chromatic number from the Heawood conjecture, one must first know this number, which is often the number of holes in a surface. Twice this number minus two is the Euler characteristic.

Answer: the **genus**

6. Name these waterways in the western Middle East for ten points each.

1. This inlet of the Red Sea flows through the Straits of Tiran and separates Saudi Arabia from the Sinai peninsula. Egypt's Dahab harbor, Israel's city of Elat, and a namesake port in Jordan lie on it.

Answer: the Gulf of **Aqaba** (or Khalij Al-'**aqabah**)

2. Flowing from the Lebanese portion of the Bekaa Valley into Syria across the Al-Ghab, this river has a mouth on the Mediterranean at Samandag, Turkey. It receives the Kura Su and the Odi Meidani.

Answer: the **Orontes** River (or Nahr Al-'**asi**)

3. The Jordan River flows through this lake, which is thus the source point of the National Water Carrier canal system in Israel. The seven springs of Bathseba are found on its shores.

Answer: Lake **Tiberias** (or Buhayrat **Tabariya** or Yam **Kinneret** or the Sea of **Kinnerot** or the Sea of **Kineret** or the Lake of **Gennesaret**; prompt on "Lake Galilee" or "Sea of Galilee")

7. One of its chapters is prefaced by a recipe for marinated crab ingredients. For ten points each...

1. Name this novel in which the title character runs her namesake "Cooking School of Savor and Art" while attached to Vadinho and to Dr. Teodoro Madureira.

Answer: ***Dona Flor and Her Two Husbands*** (or ***Dona Flor e seus dois maridos***)

2. Name the Brazilian author of *Dona Flor and Her Two Husbands*. He is also known for *Gabriela, Clove and Cinnamon*.

Answer: Jorge **Amado**

3. The title character of this Amado novel is Antonieta Esteves Cantarelli, the owner of the Sao Paulo brothel the Lord's Retreat. She gains her animal cognomen through inflexible obstinacy.

Answer: ***Tieta, the Goat Girl*** (or ***Tieta do Agreste***)

8. Answer the following about the reign of Roman emperor Decius for ten points per part.

1. Decius was appointed commander of the Danube by this predecessor of supposed Middle Eastern origin, whom Decius overthrew and killed in 249 CE.

Answer: **Philip** the Arabian (or Marcus Julius **Philippus**)

2. Shortly after killing Philip near Verona, Decius was himself killed at Abrittus by this Germanic tribe, which had overrun Thrace. This was before they divided into two groups.

Answer: **Goths**

3. One of the figures legendarily caught up in the Decian persecutions was this saint. She refused to sleep with the Sicilian prefect and had her breasts cut off, then escaped burning due to a fortuitous earthquake.

Answer: Saint **Agatha**

9. Identify these works of social science from the '50's and '60's for ten points each.

1. Nathan Glazer, Reuel Denney, and David Riesman posited that society was changing from inner-directed to outer-directed types in this "study of the changing American character."

Answer: ***The Lonely Crowd***

2. Based on interviews conducted while on assignment from *Fortune*, this work includes "The Decline of the Protestant Ethic" and "The Fight against Genius." It is the best-known of William Whyte.

Answer: ***The Organization Man***

3. Criticising Robert Moses, this tract on urban planning by Jane Jacobs advocated a diverse mixture of buildings, residences, and businesses to revitalize the title entities.

Answer: ***The Death and Life of Great American Cities***

### **The Illinois Open 2006: Spite Burn**

**Bonuses by Israel Broke My Arm (Eric Kwartler, Dan Passner, Jerry Vinokurov, Matt Weiner)**

1. One of his short stories, "The Secret Interegation," focuses on a staged anarchist uprising and features the black Carl Barrington and Hogan, a nine-year-old AA member who is the brother of the protagonist of one of his novels. For ten points each...

1. First, name this author who has also created the characters Mucho Maas, Zoyd Wheeler, and Benny Profane.

Answer: Thomas **Pynchon**

2. This guy, who gets compared to Pynchon, imagined Shostakovich in heat in his National Book Award winner *Europe Central*.

Answer: William Tanner **Vollmann**

3. Vollman set his *The Royal Family*, about the Tyler brothers, in this city. Other works set here include William Saroyan's "The Time of Your Life" and a bunch of Amistead Maupin "Tales."

Answer: **San Francisco**, California

2. It is a phenomenological theory describing the free energy near the transition as a function of an order parameter. For ten points each...

1. Identify this theory of superconductivity, named for its two formulators.

Answer: **Ginzburg-Landau** theory (or **Landau-Ginzberg** theory)

2. Ginzburg-Landau theory successfully predicts this characteristic property of a superconductor, the typical scale over which the order parameter undergoes significant variation.

Answer: the **coherence** length (prompt on "lambda")

3. The coherence length is also roughly the size of one of these objects, an entangled state of two electrons first proposed a Brown professor famous for his work with Bardeen and Schrieffer.

Answer: a **Cooper pair**

3. Name these people who wrote histories of Italy for ten points each.

1. This man's longest work is his *Florentine Histories*, which contain the probably fictitious speech of Michele di Lando. His other historical work includes the *Discourses on Livy* and *The Prince*.

Answer: Niccolò **Machiavelli**

2. His student Heinrich Wölfflin became a key figure in the foundations of modern art history and this poet of *The Jumping Jack Songs* provided a disciplinary framework of his own in *The Civilization of the Renaissance in Italy*.

Answer: Jakob Christoph **Burckhardt**

3. This governor of the Romagnan Papal States and engineer of the League of Cognac wrote a commentary on Machiavelli as well as the *History of Florence* and one of the first thorough surveys of contemporary politics, the *History of Italy*.

Answer: Francesco **Guicciardini**

4. Early notable works of his include *The Hireling Shepherd* and *Valentine Rescuing Sylvia*. For ten points each...

1. Name this artist.

Answer: William Holman **Hunt**

2. William Holman Hunt's best-known work may be this door-shaped painting from 1853. It shows a haloed, bearded fellow wearing a white robe, cape and crown and holding a lantern.

Answer: *The **Light of the World***

3. William Holman Hunt was a later member of this artistic group that published *The Germ* and included John Everett Millais and Dante Gabriel Rossetti

Answer: the **Pre-Raphaelite Brotherhood**

17. After the second of these two operations, Mary Ann Bickerdyke and Mary Jane Safford first explored the battlefield looking for wounded soldiers. John Buchanan Floyd was briefly drummed out of the army after his troops ran away from one of these battles. Following them, Anna Ella Carroll and Charles Scott sued for copyright damages, claiming that the victorious army plagiarized a strategy that they had promulgated. Lloyd Tilghman was one of the losing commanders in this action, which was authorized by Henry Wager Halleck and aided by a flotilla under Andrew Hull Foote. The campaign ended with Simon Bolivar Buckner's issuance of "unconditional surrender," which gave the victorious commander his nickname. For ten points, name these two Tennessee forts captured in 1862 by U.S. Grant.

Answer: the capture of Forts **Henry** and **Donelson**

18. This work's first part is entitled "Preliminary Questions" and finds the author building on the work of Tylor and Spencer in defining a central concept. In another section, Frazer's study of the Arunta is criticized by the author's contention that "the social life... in all its aspect... is made possible only by a vast symbolism." Noting that no society exists which has not formulated the idea of the soul, this work proceeds to review the studies of Dawson and others on the Australian aborigines. The "contradiction that Robertson Smith saw [as] an inadmissible logical scandal" is addressed in a chapter on "The Principal Ritual Attitudes." This work concludes that religions arise from social conditions. For ten points, identify this pioneering study in the sociology of religion, written in 1912 by Émile Durkheim.

Answer: *The **Elementary Forms of the Religious Life*** (or *Les **Formes élémentaires de la vie religieuse***)

19. The land that is now this country suffered the Great Disaster in the 1710's when Dzungars and Swedish army officers united to attack the peoples ruled by Abul Khayr. Parts of this territory were secured for Russia by the building of forts such as Omsk and Orsk. It sent only Kunayev to the Politburo and his firing by Gorbachev led to rioting in this Soviet. Its fields were the target of Nikita Khrushchev's Virgin and Idle Lands program and it also achieved prominence in the USSR as the site of Baikonur cosmodrome, where most Soviet spacecraft were launched. Current forces of dissent here include the Alash Party, which opposes the rule of president Nursultan Nazarbayev. For ten points, name this country that moved its capital to Astana from Almaty in the 1990's.

Answer: Republic of **Kazakhstan** [or **Qazaqstan** Respublikası]

20. The Atharvaveda refers to these as "all-producing and all-containing universes." Other evidence for their importance can be seen in the role of one in the Yajña. After Indra slays Vritra, flowing water manifests itself as these. The Sanskrit word for them is also a symbol of Earth, heaven and light. They produce the five elements known as the *Pancagavya*; these include purifying ghee and dung, which is used to clean floors. The Bhagavadgita supports their status and refutes it in consecutive verses. Terra cotta sculptures of zebu and these were first found in the Indus valley. For ten points, name this animal that may be consumed only if barren; an uddered mammal sacred to Hindus.

Answer: **cows**

21. This property's Krull variety for a ring is the supremum of all the heights of all the prime ideals. The Lebesgue variety of this property is defined in terms of orders of open coverings. The Minkowski-Bouligand variety describes correction terms to a resonator with a fractal perimeter. In studies of chaotic systems, the information type of this parameter is bounded below by the correlation type and above by the capacity type. For fractals, the Hausdorff variety of this quantity differs from the topological variety. More famously, for a linear map, this quantity is equivalent to the rank or the number of linearly independent rows or columns in the corresponding matrix. For ten points, identify this mathematical quantity that can be thought of as the "size" of a space.

Answer: **dimensionality**

12. One variety of this test, is susceptible to yielding false positives if a-methyldopa is present or if the body temperature is too high. A special form of another variety of it is known as crossmatch; that variety is performed *in vitro* and relies on agglutination for a positive result. The first form can give a positive result by detecting C3 complement, which signals the presence of IgM antibodies; the second form can indicate Duffy antigens by detecting IgG antibodies or antibodies to Rh in pregnant women. These are the indirect variety and direct variety, the latter of which is used to detect hemolytic anemia. For ten points, identify this eponymous test that detects erythrocyte antibodies and is used to diagnose immune-mediated blood diseases.

Answer: the Coombs test

13. A relative sharing this person's name led the Wismar tribunal and secured the Treaty of The Hague. This man came to prominence by brokering the Accession Charter and later wrote the "upper house law" specifying noble ranks. He attempted to engineer a "corpus evangelicorum" by creating the League of Heilbronn, though German states refused to join and soon after took back the toll privileges he secured in the Baltic. Though he negotiated the Peace of Knäred with Denmark, his anti-Danish tendencies caused him to camp in Germany for a decade, strategically delaying a peace that his son John helped negotiate at Westphalia. For ten points, name this chancellor to Gustavus Adolphus and Queen Christina, the wielder of great power in Sweden during the Thirty Years War.

Answer: Greve Axel Oxenstierna af Södermöre

14. This work quotes the author of *Jill* saying "Life, friends, is boring." Fatty Arbuckle is repeatedly alluded to by this work's central character. The author studied Tillyard's "Epic Poem" and Job to find a "survival epic." An abandoned character, Mabel, was based on the author's second wife; female characters that remain include a "Polack broad" and a "heavy woman." The work is tethered to the eleven middle pieces about the deaths of Delmore Schwartz, Randall Jarrell, Sylvia Plath, and Bhain Campbell, the main character's best friend, who dies of cancer. Broken into seven sections and five volumes of seventy-seven poems, these feature the protagonist's minstrel-drawn alter ego, Mr. Bones. For ten points, name this three hundred eighty-five-poem collection about Henry House, written by John Berryman.

Answer: *The Dream Songs*

15. This paradigm avoids the problem of side effects since the order of execution doesn't matter in it. Since it has no destructive assignment, it requires explicit representations of data structures. It allows the use of expressions and definitions as values, unlike its counterpart. Control in programs written in this paradigm is transferred to the program itself instead of being specified step-by-step. Programs written in this paradigm typically consist of relations that describe what is to be computed. Languages of this type include PROLOG and SML. For ten points, identify this paradigm of computer programming, languages following which "describe" a program as contrasted with imperative programming.

Answer: declarative programming paradigm (accept functional programming or constraint programming)

16. At one point in this work, the narrator attends a party but ignores the guests to listen to Joan Baez. He later scolds a friend who attempts to speculate in mine stocks for believing that uranium futures exist. This work's protagonist is betrayed by his slave, Metty and jailed for smuggling ivory, but he is released on the orders of the son of the witch Zabeth. He had previously taken-in that son, a student at a nearby school and industrial complex known as the Domain. Upon the return of Indar, the protagonist is introduced to Raymond's wife, Yvette, with whom he has an affair. Eventually, he Yvette beats her uncontrollably and marries the daughter of Nazruddin, with whom he flees from Big Man to London. For ten points, name this novel in which a store at the title location is run by Salim; a work by V.S. Naipaul.

Answer: A *Bend in the River*

6. In an article by John Cumpsty, a South African tradition involving this utterance is compared to the pangolin ritual among the Lele in Zaire. “Bi-Yeshibah shel Ma’alah” is said before this to allow the *abaryanim* to participate. The roots of the Ashkenazi form of it can be traced to Meir ben Samuel, who changed the aim of it from past to future. The closing phrase, “kemishpehot ha-adamah,” is taken from the Alenu. Most of it is concerned with receiving “hattarat nedarim.” A notable musical accompaniment for this prayer was composed by Max Bruch. For ten points, what is this prayer for absolution from non-legal vows not yet made recited on the eve of Yom Kippur?

Answer: Kol Nidre

7. One of this chemical is used in the process called “pickling” to remove impurities from steel. A solution of boron trifluoride and this chemical can purify the meta- isomer of xylene. It provides the most efficient way of achieving refinery alkylation. Willhelm Scheele produced it in 1771 by heating a “blue john” mineral with sulfuric acid and Henri Moissan discovered an element by electrolyzing this chemical’s anhydrous form. This chemical can cause death by stimulating the precipitation of calcium from the blood by binding its dissociated anion. It is frequently used in treating silicates and dissolving transition metals. For ten points, identify this weak acid that is used in glass etching; a binary acid containing the most electronegative element.

Answer: hydrofluoric acid

8. The title character of the comic book *Invincible* attends a high school named for this person, who portrayed a Santa Claus impersonator who spends Christmas in a bar with Eddie in an episode of *Dream On*. On *Monk*, he played Monk’s toilet-paper-happy classmate Todd. He also portrayed limo driver Gus in *Crocodile Dundee*. In another role, he bought several boxes of Twinkies at a time and cautioned John McClane against “pissing in somebody’s pool” as Sergeant Al Powell in the first two *Die Hard* movies. He also portrayed the partner of Lieutenant Murtaugh, who first appeared when his character’s mother Estelle had to move in. For ten points, name this actor who reached his greatest fame as the father of Judy, Eddie, and Laura and next-door neighbor of Steve Urkel in the role of Carl Winslow on *Family Matters*.

Answer: Reginald VelJohnson

9. This person authored the still-used *Abridgement of the Debates of Congress* and assumed his best-known position along with David Barton. Eventually defeated by Henry Geyer, this statesman’s tenure allowed him to create the memoir *Thirty Years’ View*. The sponsor of the “expunging resolution,” this politician led the pro-Jacksonian faction. This Democrat used his editorship of the *Enquirer* to propel himself to the Senate from St. Louis and eventually opposed the candidacy of John C. Frémont, his own son-in-law. For ten points, name this long-serving senator from Missouri known as “Old Bullion.”

Answer: Thomas Hart Benton

10. A trio of “Variations” named for this person feature a judge in Concord and were written by Eric Bentley. He was depicted constantly pacing back and forth, ranting about tourists in Thun before being rescued by his sister in a work by Robert Walser. John Banville adapted two of this man’s plays for the screen. Four of his plays were translated into Russian by Boris Pasternak, including *Robert Guiscard*. Tony Kushner wrote a libretto based on this man’s “The Holy Cecille.” This writer who told of “The Beggarwoman of Locarno,” *Guilietta*, and “The Marquis of O.” For ten points, name the author who has Veit Tumpel, Martha Rull, Adam, Eve and Ruprecht destroy the title object in “The Broken Jug.”

Answer: Heinrich von Kleist

11. One member of this group wrote a satirical play entitled *The Rehearsal* while another signed the Solemn League and Covenant but then oversaw military suppression of the Covenanters. Another. This group worked within the Treaty of Alliance and used the agent William Temple for secret negotiations. One of its members went on to promote the Duke of Monmouth’s claims and propose the Exclusion Act. Thomas Osborne, the earl of Danby, replaced this group, which had taken power upon the fall of the Earl of Clarendon and engineered the Treaty of Dover. Including George Villiers, John Maitland, and, the Earl of Shaftesbury, it constituted the foreign committee of the Privy Council under Charles II. For ten points, name this group consisting of Clifford, Arlington, Buckingham, Ashley Cooper, and Lauderdale.

Answer: the cabal



### The Illinois Open 2006: Spite Burn

Tossups by Israel Broke My Arm (Eric Kwartler, Dan Passner, Jerry Vinokurov, Matt Weiner)

1. At one point in this work, a character alters the One Hundred Thirty-Seventh Psalm and laments that “she to whom I pris’ner was, / Said to me, tauntingly, Now cheer your heart, / and sing a song / And tune your mind to joy.” A key moment in this novel occurs when the title character feels unable to cross a field due to the presence of a bull, which she repeatedly hallucinates. She is distressed by the discovery of her husband’s love affair with Sally Godfrey, which yields a daughter. The protagonist corresponds regularly with Lady Davers, her husband’s sister, and is the object of the affections of Mr. Williams. Before her marriage, she occasionally sleeps with Mrs. Jervis for comfort, but she is beaten by the mannish Mrs. Jewkes. Mr. B— attempts to blemish the virtue of a young girl in, FTP, what novel by Samuel Richardson?

Answer: Pamela: or, *Virtue Rewarded*

2. A preface that this person wrote for a Forberg essay his *Philosophy Journal* to be suppressed fifteen years before he gave a lecture “On the Idea of a True War.” This thinker wrote a two-volume justification of the French Revolution and his socialist politics can be seen in *The Closed Commercial State*. He also made a “Presentation of the General Outlines,” a “Foundation of National Right” and a “System of Ethics” in service of a term that he coined to encompass his philosophical beliefs. He posited that religion is the belief in the moral law of the Divine and that it satisfies the needs of man in his *Attempt at a Critique of All Revelation*. For ten points, identify this student of Kant behind the *wissenschaftslehre*; the German author of *The Vocation of Man*.

Answer: Johann Gottlieb Fichte

3. Magnetoacoustic spectroscopy provides a technique to measures their energy levels, which maybe calculated by Onsager’s generalization of the Bloch theorem. Pippard used the extreme anomalous skin effect to show that the field penetration and microwave reflectivity depend only on their geometry. The Gantmacher effect may be used to measure ones the megahertz region. Their shapes dictate such properties as the transport coefficients of metals. The de Haas-van Alphen effect, which occurs because of quantization of Landau levels in a magnetic field, is the most useful tool for mapping them. They occur in such shapes as the dog-bone. For ten points, identify these eponymous surfaces of constant energy in momentum space fundamental to band theory.

Answer: Fermi surfaces

4. This writer asks “How can my spirit soar away, / Confined by such a chain as this?” in “The Arbour” and asks God to “give me strength enough to bear / My load of misery” in a poem written on her deathbed, “If This Be All.” One of her novels is told through the narrator’s epistles to Mr. Halford and contains an incident in which Mr. Hattersly, Mr. Grimby, and the title character’s husband attempt to corrupt her son Arthur. The co-creator of a poetic world known as Gondal, she wrote a novel in which the title character smashes three small birds with a stone to save them from torture by Tom Bloomfield; that title character is employed at Horton Lodge and eventually marries Edward Weston. Also the creator of Gilbert Markham and Helen Graham in *The Tenant of Wildfell Hall*, this is, for ten points, what author of *Agnes Grey*?

Answer: Anne Brontë or Acton Bell

5. In one picture containing a depiction of this, five teams of sixteen men carry arks through shallow water towards a village; in another, three people lunch in the foreground and a large pink blossoming tree dominates the space. The artist of those works alludes to a chicken in a piece where three men in silk robes ride their horses down a narrow path towards an abnormally red tree. A depiction of this object with a man crafting a barrel can be seen on Manet’s walls in several Manet works. This feature is in each of a set of prints which includes two boats attempting to avoid the fractal-like Great Wave at Kanagawa near it. For ten points, name this central feature of the masterwork of Hokusai; a large Japanese landmark featured in all forty-eight frames.

Answer: Mt. Fuji