

Brookwood Invitational Scholars Bowl XXVI: Brought to you by the letter J'accuse
Round 14

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Tossups

1. This city, which collected tributes of honey through the *poliudie* system, was constantly sieged by the Pechenegs. The now-discredited theory that the Normans founded it relies on information from this city's *Primary Chronicle*. This city welcomed Christianity after one of its rulers married a Byzantine princess named Anna Porphyrogenita. In medieval times, this city experienced zeniths under Iaroslav the Wise and Vladimir the Great. In the outskirts of this city, during the 20th century, thousands of Jewish people were shot and tossed into the Babi Yar ravine. For 10 points, name this city once home to a namesake Rus' that currently serves as the capital of Ukraine.

ANSWER: Kiev

2. At the right of a painting by John Everett Millais, a timid, boy version of this man is shirtless and holds a bowl while the title figure is attended to in "the house of his parents". When closed, the two bottom middle panels of the *Ghent Altarpiece* depict two grisaille sculptures of this figure. In another painting, an elongated version of this non-Christ figure wears a blue robe and raises his arms in El Greco's *Opening of the Fifth Seal*. An infant version of this man appears to the left of Mary in front of a craggy landscape in da Vinci's *Madonna of the Rocks*. For 10 points, name this Biblical figure whose beheading and baptisms are often depicted in paintings.

ANSWER: John the Baptist

3. Wilson is an unseen presence in this play. One character keeps a matchbox in his shoe and wonders why the car stopped in the middle of the road that morning. This play begins with stories about an eight-year-old girl killing a cat, and an 87-year-old man being hit by a carriage as he crossed the street. One character in this work worries about the long time the toilet takes to flush, and appears at the conclusion stripped of clothing, without his revolver. The protagonists ignore instructions to make tea and come to blows over the phrase "light the kettle." For 10 points, name this play about hitmen Ben and Gus, who receive dinner orders via the title contraption, written by Harold Pinter.

ANSWER: *The Dumb Waiter*

4. A homogeneous magnetic field and inhomogeneous electric field can be used to store this substance if it is charged. Andrei Sakharov proposed B violation to explain why this substance was less prevalent. This material is represented by a bar, indicating that it has undergone charge conjugation. The Dirac equation predicts this substance as holes in a Dirac sea, and along with its counterpart, this substance is produced in beta decay. A remnant of pair production, this substance interacts with its more common counterpart through annihilation. For 10 points, name this material consisting of particles like the positron, the opposite of matter.

ANSWER: antimatter [or antiparticles; anti-prompt for *less specificity* on "positron"]

5. These statements govern the use of a tool called a sakín, also known as a halaf. The shechet is responsible for obeying most of these statements. These statements permit unrestricted use of items known as *pareve*, and classify items as either *milchig* or *fleishig*. One notable example of these statements derives from the commandment, "Thou shalt not boil a kid in its mother's milk." These laws, which are analogous to the labels of halal and haram in Islam, prohibit the consumption of pork, shellfish, and, simultaneously, milk and meat. For 10 points, name these dietary laws of Judaism.

ANSWER: kashrut [or kosher laws; accept word forms; accept Jewish dietary laws or same-knowledge equivalents before mention; prompt on just dietary laws]

6. This thoroughfare crosses the Spuyten Duyvil Creek on a namesake bridge. This road is discontinuous at Union Square. Verdi Square is located between this street and Amsterdam Avenue. A sidewalk on this street contains more than 200 black pieces of granite with the names of people who were honored on this street's Canyon of Heroes. This street is actually perfectly-oriented from north to south, which causes it to be diagonal with respect to every other street. Jerome Myers was the first to call this thoroughfare "The Great White Way." Columbia University is located off this avenue. For 10 points, name this avenue in Manhattan home to lots of musical theaters.

ANSWER: Broadway Avenue [accept "Henry Hudson Parkway" until "Union Square"; accept Great White Way]

7. This man said, "It couldn't be helped" in a 1975 press conference after he emerged from secrecy; that year, this subject of a notorious photograph with Douglas MacArthur visited the US for the first time. His government created Unit 731. The Showa Restoration attempted to bring him back to power. This leader established the boycott of the Yasukuni Shrine. This man famously avoided using the word "surrender" in his Jewel Voice Broadcast, just a year after he urged his subjects to commit suicide following Leyte Gulf. This man wasn't prosecuted for war crimes, unlike his PM Tojo. For 10 points, name this father of Akihito, the World War II emperor of Japan.

ANSWER: Hirohito [or Showa before mention]

8. This author wrote about a brat afflicted with diphtheria and the doctor who gets sick pleasure for causing her pain in his story "The Use of Force." He repeated the line "I come, my sweet/To sing to you" in a poem written in tercets set off by indentation. A poem by this author mentions objects that were "so sweet/And so cold", which another character was "probably saving for breakfast". This author of "Asphodel, That Greeny Flower" wrote of a "splash, quite unnoticed" in one of his *Pictures from Brueghel*, and noted that "so much depends" upon an object "glazed with rain water" "beside the white chickens." For 10 points, name this Imagist poet of "The Red Wheelbarrow."

ANSWER: William Carlos Williams

9. Stars with a low value for this quantity produce jets that ionize gas, creating Herbig-Haro objects. For globular clusters, this quantity can be found with the delta b minus v method. The logs of mass and this quantity are plotted against metallicity in namesake relations. Protoplanetary disks surround stars with low values for mass and this quantity. Temperature and this quantity are generally the highest in Type Ia supernovae progenitors. Dark stellar remnants that have finished evolving have high values for it. On a HR diagram, stars with roughly equal values for it are on a stellar isochrone. For 10 points, name this quantity of stars, which for the Sun is about 4.6 billion years.

ANSWER: stellar age [or equivalents like "how old a star is"]

10. The protagonist of one of this director's films tells the woman he had been surveilling that he's "not afraid of death" but is "afraid of murder" during a dream sequence. Another film by this director of *The Conversation* ends with Al Neri shooting Fredo on Lake Tahoe, a film in which Robert De Niro plays a character in flashback scenes. In a different film, that same character orders that the head of Khartoum, a horse, be placed in Jack Woltz' bed. He directed a film in which Sonny is killed at a toll booth ambush and Michael replaces his father Vito as head of the Corleone family. For 10 points, name this director of *Apocalypse Now* and *The Godfather* trilogy.

ANSWER: Francis Ford Coppola

11. This animal is the nickname of the poet of *The Bird of Time*, who became the first female president of the Indian National Congress, Sarojini Naidu. Their sounds were recorded for the "Janiculum" portion of Respighi's *Pines of Rome*. P.T. Barnum's hired opera singer Jenny Lind was nicknamed the Swedish type of these creatures. The speaker of a poem titled for these animals remarks "My heart aches, and a drowsy numbness pains my sense." A person with this surname became known as the "Lady with the Lamp" during the Crimean War and reformed the nursing field. For 10 points, name these birds, the subject of a famous John Keats ode.

ANSWER: nightingales [prompt on "birds"]

12. Three people who died during this event were taken to Boot Hill after being displayed at Ritter and Reams. Two survivors of this conflict were defended by Thomas Fitch in the subsequent trial overseen by Wells Spicer. One person made famous at this event later went on a namesake "Vendetta Ride" to find his brother Virgil's attackers. During this incident, the Clantons, two of the Outlaw Cowboys, fought the interim marshall, Doc Holliday. This skirmish, which lasted for about thirty seconds, made Wyatt Earp a folk hero. For 10 points, name this October 1881 gunfight which took place in Tombstone, Arizona near a namesake corral.

ANSWER: O.K. Corral Gunfight [or the Showdown at the OK Corral]

13. After this event, townspeople send a central character fried chicken and rolls for breakfast. During it, two characters disagree about *when* a man chopped down a chiffarobe. Link Deas is kicked out of this event. Reverend Sykes saves seats when one character leaves this event to drink soda out of a paper bag with Dolphus Raymond. A man at this event points out that a cripple with his left hand in a sling couldn't hit the left side of a girl's face. That man is shot 17 times fleeing prison. Mayella protests that she was raped, not beaten by her father Bob Ewell, and the jury returns a guilty verdict. For 10 points, name this spectacle of Maycomb County, a trial which Atticus Finch loses.

ANSWER: the trial of Tom Robinson in *To Kill a Mockingbird* [or the trial in *To Kill a Mockingbird*; or anything demonstrating knowledge of a trial and the book it happens in; prompt on just "To Kill a Mockingbird"]

14. A restatement of this equation sets the change of Gibbs free energy to nRT times the sum of each component's concentration times the log of its concentration. Pxy [P-x-y] diagrams are derived from this equation. This equation is used to find the bubble point and the dew point. Positive deviations from it occur in chloroform and ethanol, or other solutions with strong cohesive forces. This law fails to predict azeotropes. It can only be used at high concentration, or for mixtures of similar compounds like benzene and toluene. For 10 points, name this law which states that the partial pressure of a gas equals its mass fraction in the liquid phase times the vapor pressure, named for a Frenchman.

ANSWER: Raoult's Law

15. This man was the subject of the book *LA Confidential* written by Emma O'Reilly. Michele Ferrari helped this man confront the UCI. The US government filed a lawsuit under the False Claims Act in response for the expenses he imposed on the Postal Service. In 2013, people began crossing out the "V" in a product endorsed by him. This man refused to blame George Hincapie during an interview in which he claimed to have forgotten all of the people he'd sued. This man said his "cocktail" consisted of EPO and testosterone, and he admitted his "one big lie" to Oprah. For 10 points, name this founder of Livestrong, a cancer survivor who cheated his way to seven Tours de France.

ANSWER: Lance Armstrong [or Lance Gunderson; or Lance Armstrong followed by any invective that the moderator finds appropriate for the situation]

16. Either Greek or Roman name acceptable. This god is the father of Voluptas. In an ancient fable, this god complains about being stung by bees after trying to steal their honey. Ovid's first book of poetry begins by "surrendering" to this god. He disguises himself in the *Aeneid* as Iulus, Aeneas' son, which is ironic, since he and Aeneas have the same mother. After being convinced that this god is a giant snake, his lover spills hot oil on him and flees. This god is often depicted riding a dolphin. In a story from *The Golden Ass*, this god falls in love with Psyche. He accidentally hits Daphne with a lead arrow, causing her to flee from Apollo. For 10 points, name this son of Aphrodite, a love god.

ANSWER: Eros [or Cupid]

17. One commander in this conflict ordered a massacre at Cisalpine when he believed his rival was distracted by the Bona Dea Scandal. This conflict began because of the botched migrations of the Helvetii. The losing Arverni commander came to power at the Battle of Gergovia. The Suebi tribe were soundly defeated during this conflict at the Battle of Vosges. This conflict ended after a surrender at the Battle of Alesia by Vercingetorix. In his "Commentaries" on *this conflict*, the winning commander divided the central region into three parts. For 10 points, name this series of wars waged by Julius Caesar against the tribes of a region of modern-day France.

ANSWER: Gallie Wars [or Bello Gallico; or war with the Gauls; or Rome annexing Gaul; or Julius Caesar's conquest of Gaul; or any other clear knowledge answers]

18. This composer wrote a work originally titled "The Lonely Island," an overture written at the same time as a symphony inspired by folk dances. One of this man's symphonies ends with an arrangement of the chorale "A Mighty Fortress is Our God." This composer's sister Fanny wrote piano works that inspired his *Songs Without Words*, and he wrote a work which included elements from the traditional saltarello and tarantella dances. This composer of the *Hebrides Overture* included a "Wedding March" in his most famous work. For 10 points, name this composer of *Reformation*, *Scottish* and *Italian* symphonies and incidental music to *A Midsummer Night's Dream*.

ANSWER: Felix Mendelssohn

19. It's not chlorine, but the *chlorobi* phylum of bacteria is named for this element. A motif containing four atoms of this non-metal are found in aconitase. Vitamin B1 is named for the fact that it contains nitrogen and this element. In bacteria, nitrogen fixation occurs in a catalyst containing molybdenum and a cluster of iron and this element. This element, found in high concentrations in keratin, forms a tertiary structure called its namesake bridge. This element is found between ethyl and methyl groups in the side chain of methionine, and it's also found in cysteine. Thiols contain this element. For 10 points, name this element with symbol S.

ANSWER: sulfur [or S before mention]

20. A poem by this man compares the death of his soul to "a guileless butterfly accustomed to the light." This man was inspired by Cicero to create his *Senilis*, a collection of letters. He contrasted Renaissance and Christian values in his letter to Dionigi following his ascent of Mt. Ventoux. An epic by this man tells of the death of Margo Barcid before detailing the victory of Scipio over Hannibal, and was titled *Africa*. This man's love for a woman he met on Good Friday is detailed in his *Il Canzoniere*. His poems have the rhyme scheme ABBA ABBA CDE CDE. For 10 points, name this lover of Laura, the namesake of the Italian sonnet.

ANSWER: Francesco Petrarca [or Francesco Petrarch]

The Round is Now Over. Continue Only if There is a Tie.

21. The quintessential zeugma, "He took his hat and his leave", originates from one of this author's novels. Grip the Raven, a character in another of his novels, inspired Poe's "raven." This author's Christmas novels are divided into sections called "staves" and "chirps", the latter appearing in *The Cricket on the Hearth*. This author collected his nonfiction "sketches" into a work he published under the name Boz. The periodical *Master Humphrey's Clock* published this man's novels serially, though he wasn't actually paid by the word. For 10 points, name this author of *The Mystery of Edwin Drood*, *The Pickwick Papers*, and *Great Expectations*.

ANSWER: Charles Dickens

Round 14 Bonuses

1. Hsp70 and Hsp90, heat shock proteins, are examples of these proteins found in nearly all eukaryotic organisms. For 10 points each:

[10] Name these proteins which assist in the folding of other proteins.

ANSWER: chaperone proteins [or chaperonins]

[10] Creutzfeldt-Jakob Disease and kuru are caused by these infectious proteins which have been misfolded.

ANSWER: prions

[10] This disease is most likely a result of misfolded beta-amyloid plaques. It also results in an increasing concentration of tau protein in the brain.

ANSWER: Alzheimer's Disease

2. An author with this country as her first name wrote a coming-of-age novel about the Antiguan Annie John. For 10 points each:

[10] Identify this country, which the author Kincaid took for her first name. This Caribbean nation is stereotypically associated with cannabis-using Rastafari.

ANSWER: Jamaica

[10] In the 18th century, these escaped slaves set up colonies on Jamaica. They engaged in a twenty-six long year conflict with the British during the first war named for them.

ANSWER: maroons

[10] This port city in northwestern Jamaica serves as a common stopping point for Caribbean cruise ships because of its tax-free shopping.

ANSWER: Montego Bay

3. The sad, sad, House of Atreus. For 10 points each:

[10] The progenitor of the house was this son of Zeus who attempted to serve human flesh at a feast of the gods. He was punished in Tartarus by having water and fruit *just* out of reach.

ANSWER: Tantalus

[10] Tantalus attempted to serve this son of his to the gods. This son managed to successfully marry Hippodamia and got a peninsula named after him, but for killing Myrtilus, he got his whole family cursed.

ANSWER: Pelops

[10] After several more incidents of cannibalism and father-daughter incest, this son of Pelopia was born. He rebelled and killed Atreus before having an affair with Clytemnestra and getting Agamemnon killed.

ANSWER: Aegisthus

4. For 10 points each, name these historical scenes captured through photography:

[10] It took Margaret Bourke-White three tries to take a photo of this nonviolent Indian revolutionary reading a book "at his spinning wheel".

ANSWER: Mohandas Gandhi

[10] John Dominis took a black and white photograph of Tommie Smith and John Carlos doing this at the 1968 Olympics in Mexico. They were kicked out for doing this.

ANSWER: holding up the black power sign [accept equivalents like "raising their fists"; prompt on "salute"]

[10] In one photo, Alberto Korda captured this man wearing a beret with an iconic star. That photograph often has the words "Hasta la Victoria Siempre" written underneath this man's giant face.

ANSWER: Che Guevara [or Che Guevara]

5. Name these authors of short stories whose surprise endings I'm going to spoil for you. For 10 points each:

[10] Jim sells his watch to buy a comb; Della sells her hair to buy a watch-chain, in this American's short story "The Gift of the Magi." For good reason, he's called the master of the twist ending.

ANSWER: William Sydney **Porter** [or **O. Henry**]

[10] Mrs. Sappleton's niece makes up an utterly ridiculous story to unsettle Framton Nuttle in this British author's story "The Open Window". This author, born HH Munro, is also known under a pen name.

ANSWER: **Saki**

[10] Laura Sheridan is astonished to find a dead neighbor just feet away from her carefree, happy-go-lucky celebration in this author's "The Garden Party". In fact, her final words in the story are, "Isn't life--?"

ANSWER: Katherine **Mansfield**

6. The stereochemistry of these structures is called their tacticity. For 10 points each:

[10] Name these materials which consist of many chains of monomers. Nylon and Teflon are examples of synthetic ones.

ANSWER: **polymers**

[10] Addition polymers form in a chain reaction involving these highly reactive species which have a single unpaired electron.

ANSWER: free **radicals**

[10] Mechanisms of free radical polymerizations show the movement of individual electrons using an arrow with this property. An arrow with this attribute is used to represent individual electrons in orbital diagrams.

ANSWER: **single-barbed** arrows [or **fishhook** arrows; prompt on "curved" arrows; accept any kind of description of an arrow that looks like ↓, but not ↑]

7. For 10 points each, name these things associated with folk art:

[10] The folk art of this country include papier-mache dolls called cartonera, which are used during Holy Week. This nation's folk art inspired the murals of Jose Orozco and Diego Rivera, who are from here.

ANSWER: **Mexico**

[10] The folk artist Clementine Hunter rose to prominence in this Southern city after being inspired by Melrose Plantation. Rockwell's *The Problem We All Live With* depicts Ruby Bridges walking into a school in this city.

ANSWER: **New Orleans**

[10] This 19th to 20th century folk artist of *Sugaring Off* became an American icon for her portrayals of Thanksgiving and Christmas scenes. Her nickname reflects her old age when she was discovered in Hoosick Falls.

ANSWER: "**Grandma Moses**" [or Anna Mary Robertson **Moses**]

8. Before one battle, the most notable person born in this city proclaimed that it "hath thrown unto you the best morsels of her liver." For 10 points each:

[10] Name this city home to the Quraish clan which fought at the Battle of Badr.

ANSWER: **Mecca**

[10] This most notable participant at the Battle of Badr was this man. Earlier, he had fled to Medina as the Prophet of Islam.

ANSWER: **Muhammad**

[10] Muhammad was aided at the Battles of Uhud and Badr by his close friend Abu Bakr, who became the first one to hold this title. People who held this title were regarded as the successors of Muhammad.

ANSWER: **caliph** [or **Khalifah**]

9. In one story by this author, the Cosmic AC ponders how to reduce the entropy in the Universe, finally deciding on “LET THERE BE LIGHT”. For 10 points each:

[10] Name this author of “The Final Question”. He wrote about the inhabitants of Lagash, who realize how many stars there really are during an eclipse in another short story.

ANSWER: Isaac Asimov

[10] Asimov invented the three laws of these creatures, stating that they may not injure human beings, that they must obey human beings, and that they must protect themselves, in that order.

ANSWER: robots

[10] This other author first coined the term “robot” in his play *R.U.R.*, or *Rossum’s Universal Robots*.

ANSWER: Karel Capek

10. As you well know, politicians love money. Answer some questions about political campaign finance, for 10 points each:

[10] Campaign finance law is governed by this bipartisan body whose members serve 6-year terms. This body was the defendant in the *Citizens United* Supreme Court case in 2010.

ANSWER: Federal Election Commission [or FEC]

[10] The current campaign finance law was introduced in 2002 by, and is named for, a Wisconsin Democrat and an Arizona Republican who won the Republican presidential nomination in 2008. Name either.

ANSWER: Russ Feingold or John McCain

[10] The *McCain-Feingold Act* clamped down on this type of monetary donation given to the political parties rather than the candidates. This type of donation was unlimited and unregulated for the parties to spend on “party building.”

ANSWER: “soft money”

11. In this story, Widow Wycherly is loved by Medbourne, Gascoigne and Colonel Killegrew. For 10 points each:

[10] Name this story in which the title character gives his old friends water from the Fountain of Youth, only for them to feel young again and go search for the Fountain in Florida.

ANSWER: “Dr. Heidegger’s Experiment”

[10] “Dr. Heidegger’s Experiment” appears in *Twice-Told Tales*, a short story collection by this author. This author wrote about Hester Prynne in *The Scarlet Letter*.

ANSWER: Nathaniel Hawthorne

[10] In this other Hawthorne short story, the title character sees all of the people in his town Salem, including Goody Cloyse and his wife Faith, consorting with the Devil in a creepy ceremony in the woods.

ANSWER: “Young Goodman Brown”

12. This group is closed under addition and multiplication, but not exponentiation or division.. For 10 points each:

[10] Name this set symbolized \mathbb{Z} , which consists of all positive and negative whole numbers, plus zero.

ANSWER: integers

[10] According to this statement by Georg Cantor, there is no set whose cardinality is greater than the integers but less than the real numbers. Whether or not this hypothesis is true is the first of Hilbert’s problems.

ANSWER: continuum hypothesis

[10] This German showed that the continuum hypothesis is consistent with ZF theory. He might be better known for his two incompleteness theorems.

ANSWER: Kurt Godel [GER-DEL, pretty much]

13. The Dinsdale film mostly focuses on this body of water. For 10 points each:

[10] Name this Scottish loch where really, absolutely, 100%, no joke, *a monster lives*.

ANSWER: Loch Ness

[10] Loch Ness is the second-largest Scottish “loch” after this one, the largest lake in Britain. The island of Inchmurrin is located in it.

ANSWER: Loch Lomond

[10] This Scottish term refers to any seawater inlet, and is analogous to a fjord in Scandinavia. Examples of these include the Lorn, the Clyde, and the comically-named one “of Forth”.

ANSWER: firths

14. Answer these questions about the martyrs in John Foxe's *Book of Martyrs*. For 10 points each:

[10] Foxe recorded the more than 500 Protestant persecutions overseen by a queen of this name, whose actions during the persecutions earned her the nickname "Bloody".

ANSWER: Mary

[10] Another section of Foxe's work details the persecution of these 14th century followers of John Wycliffe, who was banished from Oxford for the heresy.

ANSWER: Lollards

[10] The *Book of Martyrs* contains a small portion dedicated to this method of death which befell Wycliffe. Like Wycliffe, Jan Hus was killed in this manner after the 1418 Council of Constance.

ANSWER: being burned at the stake [or equivalents]

15. The sixth and thirteenth of these works are known as "The Trill" and "Devil's Laughter", respectively. For 10 points each:

[10] Name these very difficult works for solo violin. They were written for performances at their composer's own concerts.

ANSWER: the "24 Caprices for Solo Violin" [or Paganini's Caprices]

[10] This composer is best known for his *Rhapsody on a Theme of Paganini*, which is based on the last of Paganini's "24 Caprices." This man's other works include a famous second *Piano Concerto*.

ANSWER: Sergei Rachmaninoff

[10] This composer was inspired by a Paganini concert to be the best virtuoso at his instrument, the piano. His compositional works include the *Mephisto Waltzes* and the *Hungarian Rhapsodies*.

ANSWER: Franz Liszt

16. This man was castrated at the orders of Fulbert, an event described in his *History of My Calamities*. for 10 points each:

[10] Name this medieval French philosopher. His most famous work consisted of 158 questions on Christian theology, *Sic et Non*.

ANSWER: Peter Abelard [or Pierre Abelard; or Petrus Abaelardus]

[10] Abelard was a member of this movement that moved away from monastic teaching, and inspired the creation of universities and the study of law and other academics.

ANSWER: scholasticism

[10] This man, known as "Doctor Angelicus," was a key member of scholasticism. His best known work included five proofs for God's existence, *Summa Theologica*.

ANSWER: St. Thomas Aquinas

17. One plotline in this novel concerns the marriage between Rosamond Vincy and Dr. Tertius Lydgate. For 10 points each:

[10] Name this novel in which Dorothea Brooke suffers through an uncomfortable marriage to Edward Casaubon.

ANSWER: Middlemarch: *A Study of Provincial Life*

[10] *Middlemarch* was written by this female author, who was born Mary Ann Evans but wrote under a pen name. She also wrote *Silas Marner*.

ANSWER: George Eliot

[10] This other Victorian author is best-known for his cycle of novels about Barsetshire, including *Barchester Towers*.

ANSWER: Anthony Trollope

18. This man was the runner-up of the Election of 1824 due to the “Corrupt Bargain,” but would win the Presidency four years later. For 10 points each:

[10] Name this seventh US President, nicknamed “Old Hickory.”

ANSWER: Andrew Jackson

[10] One facet of Jackson’s Presidency was this informal group of Jackson’s closest political allies, who advised him in lieu of a traditional administration after the Peggy Eaton Affair.

ANSWER: “kitchen cabinet”

[10] In the 1832 election, Jackson won reelection over Henry Clay and this man, who ran as the Anti-Masonic Party’s nominee.

ANSWER: William Wirt

19. In reissues of this musician’s most famous album, an alternate take of “Flamenco Sketches” was added. For 10 points each:

[10] Name this jazz trumpeter behind the albums *Sketches of Spain* and *Kind of Blue*.

ANSWER: Miles Davis

[10] This man played saxophone alongside “Cannonball” Adderley on *Kind of Blue*. His own albums include *My Favorite Things* and *A Love Supreme*.

ANSWER: John Coltrane

[10] The second track from *Kind of Blue*, “Freddie Freeloader,” is in this musical form. A V-V-I-I (“five five one one”) chord progression ends the basic version of this form, used by other musicians like Muddy Waters.

ANSWER: twelve-bar blues [prompt on “blues”]

20. By integrating this law with respect to displacement, the potential energy of a spring can be expressed as “one-half kx^2 ”. For 10 points each:

[10] Name this law which gives the force of an elastic spring to be proportional to, and opposite, the displacement.

ANSWER: Hooke’s Law

[10] For an ideal mass-on-a-spring, this quantity is equal to the square root of the spring constant over the mass. Symbolized omega, this quantity has units of radians per second.

ANSWER: angular frequency [do not accept or prompt on “frequency”]

[10] In response to a stress, elastic materials undergo this type of deformation. The Cauchy form of it equals the change in length over the original length, and a material’s elastic modulus equals stress over this quantity.

ANSWER: strain

The Round is Now Over.

21. In 1971, this city experienced an influx of refugees at the Al-Shati camp. For 10 points each:

[10] Name this Egyptian city which names a “strip” debated over by the Egyptians and Palestinians that is ruled by Hamas.

ANSWER: Gaza

[10] This Egyptian leader got rid of the All-Palestine government in the Gaza Strip because of international pressures. He drew criticism for nationalizing the Suez Canal after the US withdrew its funding for the Aswan High Dam.

ANSWER: Gamal Abdel Nasser

[10] Nasser promised this organization founded in 1964 would control the Gaza Strip, but it never did. Yasser Arafat became its chairman in 1969 before King Hussein banished it from Jordan during Black September.

ANSWER: Palestine Liberation Organization [or PLO]