2003 Michigan MLK Tournament
Tossups by Rochester B, Northwestern B, and Florida

1. After shooting a wild swan, he is unable to answer [gur-ne-mans-ses] Gurnemanz's questions about his origins, and becomes enraged when the heathen sorceress Kundry reveals his past. Later, Klingsor encourages Kundry to seduce him, but he rejects her, and when Klingsor tries to kill him with the spear, he grasps it, makes the sign of the cross, and destroys Klingsor's castle. Years later, he appears in black armor, baptizes Kundry, to be made king of the knights of the Grail. After healing Amfortas, he is crowned. For 10 points - name this title character of the last opera of Richard Wagner.
Answer: **Parsifal**

2. Its setting is purported to be based on the town of Peterborough, given the latitude and longitudinal coordinates and because the author was a fellow at New Hampshire's MacDowell Colony at the time it was written. The play's limited action focuses on George Gibbs's courtship of Emily Webb, who dies in childbirth in Act III. Linked by the use of an omniscient narrator called "The Stage Manager" - for ten points - what is this 1938 Pulitzer Prize play by Thornton Wilder set in Grover's Corners?
Answer: **Our Town**

3. They are closely related to the Chelicerate Clade, and even more closely to the Helmetiidae. Many have a rostral plate, and all have hypostomal wings. Their distinctive pygidium is at the posterior end of the middle of their three axial body sections. Over 5000 genera are known, many of which were discovered in the Burgess Shale. For 10 points - name these ancient arthropods, named for the division of their body into three axial lobes.
Answer: **trilobites**

4. One translation of his given name is "he who places two bets." Born in 1742, he attended the Moor's Charity School for Indians, where he learned how to speak English. During the French and Indian War, he fought with Sir William Johnson, his sister Molly's husband, and during the American Revolution, he fought at the Battle of Long Island, on the British side. For 10 points - name this Mohawk leader, who moved his tribe to Canada's Grand River basin after the American Revolution.
Answer: Joseph **Brant**
Accept: **Thayendanegea**

5. He tells his nephew that he will never be able to get out of the jungle by fighting fair with a stranger. He himself came out of the jungle as a rich man at the age of 21 although he ended up mining diamonds in Africa only after going to Alaska when he was 17. He died before the action of the play begins, but he still appears in his brother's visions, where he represents the success that his brother was never able to attain. For 10 points - name this character, created by Arthur Miller, who was once turned down as a partner by his brother, Willy Loman.
Answer: **Ben** Loman

6. Headquartered in Denver, Colorado, this 21-year old company has expanded from a small business in the Capitol Hill neighborhood to a corporation that boasts over 1,800 locations worldwide. Some of their signature sauces include Red Wine Vinagrette and Santa Fe Sauce and the "Classic Italian" is their best selling sandwich. Recently named the fastest growing sandwich chain the United States - for ten points - name this "quick service restaurant" famous for toasted subs.
Answer: **Quizno's** Subs

7. Formed by the union of the Argun and Shilka rivers, its principal tributaries are from the north are the Zeya, the Bureya, and the Amgun rivers and the Sungari and the Ussuri from the south.

Known to the Chinese as "the River of the Black Dragon," it empties into the Tatar Strait. The Treaty of Aigun in 1858 gave the left bank of the river to Russia. For ten points - name this river that forms part of the border between Russia and China.
Answer: Amur River

8. In modern labs, this experiment is usually done with latex spheres. After the spheres are injected into a chamber, one looks through a microscope and turns on an electric field to suspend the spheres. When the field is turned off, the terminal velocity is measured, allowing one to find the exact charge of the sphere, which is an integral multiple of the electron charge. For 10 points -- this describes what experiment, which Robert Millikan used to measure the electron charge?
Answer: Millikan oil drop experiment
Accept: Millikan experiment

9. They took as an axiom that agriculture was the only economic activity that yielded a surplus, as manufacturing took up as much value in inputs as it produced in output. Based on this assumption, they advocated the abolition of all taxes except the land tax in a work written by the Marquis de Mirabeau and are now known as early proponents of laissez-faire capitalism. For 10 points - name this group of 18th century economic thinkers headed by Francois Quesnay.
Answer: physiocrats

10. Its first English translation was published in 1950 by the New Directions publishing house, which was associated with the Beat Movement. Influenced by psychoanalysis and the German Romantics, its popularity surged in the 1960s because of its exhortations to "find yourself" and exploration of Buddhist thought. As it follows a young Brahmin in 5th and 6th century India as he sets out with his friend, Govinda, it was dubbed by one critic "an Indian *Catcher in the Rye*." For ten points - name this 1922 novel by Hermann Hesse.
Answer: Siddhartha

11. The first American student of Nadia Boulanger, his 1925 work *Symphony for Organ and Orchestra* was written for her. Later, his work *Connotations* was written for the opening of Lincoln Center. His operas include *The Tender Land* and *The Second Hurricane*, and he also composed the choral work *Twelve Poems of Emily Dickinson* and the film scores for *Of Mice and Men* and *Our Town*. For 10 points - name this American composer of *Billy the Kid*, *Rodeo*, and *Appalaichan Spring*.
Answer: Aaron Copland

12. He added several elements to the traditional four, including flesh, bone, leaf and bark. These additions also accounted for change within an organism. His proposal that the Sun was an incandescent stone larger than Greece brought about his banishment from Athens, though his close association with Pericles may have had more to do with it. For 10 points, name this Greek philosopher who posited that the force of reason or *nous* organized the universe.
Answer: Anaxagoras

13. This team's first manager was 9-time all star Joe Gordon, and Lou Piniella led the team in hits, doubles, and batting average in its inaugural season.* In its third season, this team posted a winning record, and it won its division in its eighth, ninth, and tenth seasons, before winning the American League pennant in 1980. For 10 points -- name this franchise, founded in 1969, whose all-time leader in several major offensive categories is George Brett.
Answer: Kansas City Royals (accept either)

14. He translated the Merchant of Venice and Julius Caesar into Swahili. The leader of a political party called Cha-ma Cha Ma-pin-duzi, his political program was outlined in the Arusha Declaration. One of the founders of the Organization of African Unity, he ordered the Tanzanian army to overthrow Idi Amin in 1979. For 10 points - name this man who saw his country united with Zanzibar in 1964, the first president of Tanganyika.
Answer: Julius Nyerere

15. Accompanied by castanets, guitar, and songs sung by the dancers, this courtship dance is danced by a single couple who do not touch. At the end of certain measures, the music stops abruptly and the dancers remain rigid until it is resumed. It can also refer to songs consisting of improvised satirical, religious, or romantic verses, sung to melodies improvised according to set rules that accompany the dance or as solos. For ten points - name this Spanish dance popular in 18th century Europe, performed by Scaramouche in Queen's *Bohemian Rhapsody*.
Answer: Fandango

16. The van der Pol type has a constant which affects the degree of non-linearity, and parametric ones satisfy Hill's equation. The quartic type is usually analyzed with perturbation theory, while the Duffing type is both damped and driven. A critically damped one will gradually go to its equilibrium point without overshoot, while a completely undamped one can bounce back and forth endlessly. A pendulum and a mass on a spring are examples of - for 10 points - what type of device, the most basic form being the simple harmonic?
Answer: harmonic oscillator
Do not accept "simple harmonic oscillator," since only the last part refers to simple ones

17. As Dan Kavanagh, he has written four crime novels centered around Duffy, a free-lance security system specialist. His most recent work under his own name is *Love, etc*, a continuation of his novel, *Taking It Over*, he has received the Somerset Maugham Award for *Metroland*, the 1987 Gutenberg Prize, and is a two-time Booker Prize nominee for *Flaubert's Parrot* and *England, England*. For 10 points - identify this British author, whose *In The Land of Pain* just received its U.S. publication in January 2003.
Answer: Julian Barnes

18. It was at her favorite residence, the Chateau de Chenonceau in the Loire Valley of France, that her son was married to Mary, Queen of Scots in 1560. Attaining the title of "dauphiness" upon the death of her husband, she remained in political obscurity until her husband, Henry, the Duke of Orleans, ascended to the throne as Henry the II. For ten points -name this Italian-born, French royal who was the daughter of Lorenzo, Duke of Urbino, the heir to a wealth Florentine family.
Answer: Catharine de' Medici

19. This scale was created by two people in 1971, one a doctor at the University of Chicago, and the other the then Director of the National Severe Storms Forcast Center. It can only be applied after the event which is designed to measure takes place, because it does not measure the event itself, but rather the damage that the event inflicts. For 10 points - name this scale, whose ratings range from F0 to F5, used to measure the intensity and wind speed of a tornado.
Answer: Fujita-Pearson Tornado Intensity Scale

20. After an American history class with William B. Hesseltine at the University of Wisconsin, he switched to a history major. His first book, a biography of General Henry Halleck, led to his editing of Dwight Eisenhower's official papers and a two-volume biography of Eisenhower. A founder of National D-Day Museum, his reputation was sullied when he accused of plagiarism in *The Wild Blue*. For 10 points -name this historian whose posthumous memoir is *To America: Personal Reflections of an Historian*
Answer: Stephen E. Ambrose

21. "Parson's Pleasure" and 'Royal Jelly" were two of the many short stories written by this author, and he used his experiences flying with the RAF in World War II to write his autobiographical *Going Solo*. However, he is best known for his children's books which were often illustrated by Quentin Blake. For 10 points - name this author who penned such classics as *Danny, the Champion of the World*, and *James and the Giant Peach*.
Answer: Roald Dahl

22. His meeting with Joseph Blackburn in 1753 led to his adoption of Blackburn's rococo styling, especially the use of portrait d'apparat, the portayal of subjects in real life settings, made him a rarity among artists in 18th Century America. During his years in London, he painted his best known non-portrait work, his struggle between human and nature in the 1778 painting *Watson and the Shark*. For 10 points - name this Colonial Boston artist.
Answer: John Singleton **Copley**

23. The lion and oak tree in this province's coat of arms represent England, while the three saplings represent the three counties of the province. It it has the highest population density of any of Canada's provinces, even though it has the smallest population. For 10 points - name this province, home of Lucy Maud Montgomery's *Anne of Green Gables*, and whose capital is Charlottestown.
Answer: **Prince Edward Island**

24. They began their settlements around 1200 BCE. It was thought that a drought forced them to abandon their homes, but recent evidence suggests that the drought simply was not bad enough to force migration. Other theories about their disappearance include internecine war and religious upheaval. There has been recent controversy about some bones containing evidence of cannibalism. For 10 points, name these ancient people, the probable ancestors of the Hopi.
Answer: **Anasazi**

25. He attracted the attention of Herb Cohen at a young age, and recorded his first album, *Closing Time*, in 1973. He later married Kathleen Brennan before writing a play with her entitled *Frank's Wild Years* and film roles included both *Rumblefish* and *The Outsiders*. His latest albums, *Alice* and *Blood Money* achieved critical success, but they did not match the success of his *Rain Dogs* and *Swordfishtrombones* For 10 points - identify this singer famous for "Jockey Full of Bourbon" and "Downtown Train."
Answer: Tom **Waits**

26. This god, in whose honor the Isthmian games were held, had to send Delphinus after Amphitrite in order to marry her. During the Trojan War, he took the side of the Greeks because of his dispute with Laomedon, but he would end up becoming the enemy of Odysseus in particular. The father of Polyphemus the Cyclops, name - for 10 points - this Greek god of the sea.
Answer: **Poseidon**

2003 Michigan MLK Tournament
Bonuses by Rochester B, Northwestern B, and Florida

1. For 10 points each - name these Robert Frost poems from opening lines.
A. (10) "Something there is that doesn't love a wall, / That sends the frozen-ground-swell under it."
Answer: Mending Wall
B. (10) "Two roads diverged in a yellow wood. / And sorry I could not travel both / And be one traveler."
Answer: The Road Not Taken
C. (10) "There overtook me and drew me in / To his down-hill, early-morning stride, / And set me five miles on my road"
Answer: The Gum-Gatherer

2. Name the stadiums in which the following Pac-10 schools play their football home games for 10 points each.
A. (10) USC
Answer: Los Angeles Memorial Coliseum
B. (10) Arizona State
Answer: Sun Devil Stadium
C. (10) Oregon
Answer: Autzen Stadium

3. Identify these art terms for 10 points each.
A. (10) A French word corrupted from the Turkish for female slave, it is a name for a voluptuous nude, like those by Ingres and Matisse.
Answer: odalisque
B. (10) From the Italian words for "light" and "dark" it is a technique to represent light and shadow as they influence objects. Masters include Caravaggio and Rembrandt.
Answer: chiaroscuro
C. (10) From the French for "deceive the eye" it is any sort of trickery meant to fool the viewer.
Answer: Answer: trompe l'oeil

4. For 10 points each - name these British generals in the American Revolution.
A. (10) This man was defeated at the battle of Saratoga and forced to surrender.
Answer: John Burgoyne
B. (10) This man was military governor of Massachusetts starting in 1774 who ordered the attacks on Lexington and Concord to obtain colonial weapon's stockpiles.
Answer: Thomas Gage
C. (10) This general took over supreme command of the British armies in America in 1778. He evacuated Philadelphia and kept his army in New York too long, failing to help Lord Cornwallis at Yorktown.
Answer: Henry Clinton

5. Identify these commonly used sorting algorithms for 10 points each.
A. (10) Developed by C.A.R. Hoare, this n log n sort uses two pivot element to recursively sort array elements around it.
Answer: quicksort
B. (10) This sorting algorithm treats each half of the array as a list to be recombined in sorted order. It recursively splits the array into halves for recombining. It also runs in n log n time.
Answer: mergesort
C. (10) This sort looks at each digit in each number in the array and arranges the array elements according to that digit. starting from most to least significant.
Answer: radix sort

6. Identify these political journalists things they've said about Dubya, for 10 points each.
A. (10) This *Princeton* economist and *New York Times* editorialist has become a vocal critic of Bush's economic platform.
Answer: Paul **Krugman**
B. (10) This son of a former CBC news anchor was credited with coining the phrase "axis of evil" and released a January 2003 book, *The Right Man*, about the Bush White House.
Answer: David **Frum**
C. (10) This 82-year old senior White House correspondent attacked the Bush administration in a November 2002 speech she delivered at M.I.T.
Answer: Helen **Thomas**

7. 30-20-10. Name the author
(30) Most of his early work, such as *A Nest of Gentlefolk* and *On the Eve*, appeared in the magazine The Contemporary, which he helped to edit.
(20) He spent the last twenty years of his life in France and Germany; while at Baden-Baden, he argued with Dostoyevsky over his novel *Smoke*, which claimed that Russia could be saved only by turning to the West.
(10) His 1862 novel *Fathers and Sons* deals with the nihilism of Bazarov, a superflous man.
Answer: Ivan **Turgenev**

8. For 10 points each, name these psychologists from their experiments.
A. (10) He taught rats to run mazes, then removed parts of their cortex to see which part was responsible for memory.
Answer: Karl **Lashley**
B. (10) In her strange situation tests, she studied attachment by observing how infants behaved when their mothers left the room and a stranger entered.
Answer: Mary **Ainsworth**
C. (10) To study obedience and the power of the situation, he told subjects give electrical shocks to other subjects and found that subjects would continue to deliver shocks up to a deadly level.
Answer: Stanley **Milgram**

9. Identify the following seasons of MTV's *Real World* by city given a plot description.
A. (10) Kevin and Julie get in an argument about racism, Eric models, Heather tries to rap.
Answer: **New York**
B. (10) Mike drives his race car - and loses, Neil has his tongue bitten off, and Kat fences the time away.
Answer: **London**
C. (10) Danny is visited by his military boyfriend, Kelley meets a doctor, and Julie annoys the hell out of everyone.
Answer: **New Orleans**

10. Name these [MESS-ee-yay] Messier objects for 10 points each:
A. (10) Labeled M1, it was the site of a 1054 supernova and contains a famous pulsar.
Answer: the **Crab** Nebula or Pulsar
B. (10) Labeled M31, it is the most distant object visible to the naked eye, at about 2 million light years.
Answer: the **Andromeda** Galaxy
C. (10) Also called Virgo A, this massive elliptical galaxy in Virgo is especially notable for the two giant jets coming out of it, suggesting a super-massive black hole.
Answer: **M87**

11. Name these Mexican leaders for 10 points each.
A. (10) Dictator of Mexico in 1913 and 1914, he had assassinated his predecessor and was opposed by Villa and Obregon. He was forced to flee to Spain.
Answer: Victoriano **Huerta**

B. (10) Porfirio Diaz's successor as president in 1911, this man was assasinated by Huerta in 1913.

Answer: Francesco **Madero**

C. (10) This man led the forces against Huerta and became the first president of the new Mexican Republic.

Answer: Venustiano **Carranza**

12. Answer the following about a type of organic synthesis for 10 points each.

A. (10) With formula R-Mg-X, these chemicals are organo-magnesium halides named for a French chemist.

Answer: **Grignard reagents** [GRIN-yard]

B. (10) Grignard reagents are used to synthesize these compounds that contain a hydroxyl group.

Answer: **alcohols**

C. (15) Alcohols can also be hydroxylzed from alkenes using this tetroxide of the densest element on the periodic table as a catalyst.

Answer: **osmium tetroxide** or **OsO$_4$**

13. For 10 points each, name these characters from Victor Hugo's *The Hunchback of Notre Dame*.

A. (10) A beautiful street dancer, this gypsy enchantress is the lost daughter of Sister Gudule.

Answer: La **Esmeralda**

B. (10) A priest at the Cathedral de Notre Dame, he loves Esmeralda and tries to make her return his affection, but it only ends in her execution and Quasimodo's continual torture.

Answer: Archdeacon Claude **Frollo** or Dom **Frollo**

C. (10) As Esmeralda's near constant companion, this goat appears at her execution trial, where she is accused of being possessed by Satan.

Answer: **Djali**

14. Name these Vietnamese people for 10 points each.

A. (10) From 1925-1945, he was the last reigning emperor of Vietnam.

Answer: **Bao Dai**

B. (10) This former pastry chef led Vietnam to independence from France and led North Vietnam until his 1969 death.

Answer: **Ho Chi Minh**

C. (10) This military leader defeated the French at Dien Bien Phu and lead North Vietnamese armies until the capture of Saigon.

Answer: (vo ne-win JOP) Vo Nguyen **Giap**

15. Answer these questions about the career of Edmund Burke for 10 points each.

A. (10) Burke served in the British parliament as a representive from this port city.

Answer: **Bristol**

B. (10) His unhappiness over British policy in India led to the impeachment of this governor general in 1787.

Answer: Warren **Hastings**

C. (10) Provoked by a sermon by Richard Price, Burke wrote this book attacking Jacobinism in 1790.

Answer: **Reflections on the Revolution in France**

16. Answer the following about silent film directors for 10 points each.

A. (10) Modern mise-en-scene techniques have their basis in this German director's 1924 film, *The Last Laugh*.

Answer: Friedrich Wilhelm [F.W.] **Murnau**

B. (10) The term "documentary" was coined to described this Michigan-born director's *Moana*, although the term could also be applied to his earlier *Nanook of the North*.

Answer: Robert J. **Flaherty**

C. (10) Murnau and Flaherty colloberated on this 1931 starring natives of Bora Bora until Flaherty withdrew due to money problems.
Answer: Tabu, a Story of the South Seas

17. Answer the following about Ragnarok for 10 points each.
A. (10) The sound of this horn will mark the beginning of the last battle.
Answer: Gjallarhorn
B. (10) This watchman of the gods will sound Gjall.
Answer: Heimdall
C. (10) Heimdall guards this bridge to Asgard, which will be destroyed in the battle.
Answer: Bifrost
Accept: Asbru

18. For 10 points each - name these things associated with a 2002 South American election.
A. (10) This nation's November 2002 presidential election pitted a former army colonel against a banana magnate from Guayaquil.
Answer: Ecuador
B. (10) The former army colonel, he overthrew the troubled government of President Jamil Mahuad in 2000 and won the runoff election.
Answer: Lucio Edwin Gutiérrez Borbua
C. (10) This billionaire who lost the runoff shares his surname with the man who was Ecuador's president before the election.
Answer: Álvaro Fernando Noboa Poton

19. For 10 points each, given albums, name the rap artist. If you need the name of a radio hit or two, you will only receive 5 points.
A. (15) Reasonable Doubt, In My Lifetime, Vol. 1
(10) Izzo (H.O.V.A.)
Answer: Jay-Z
B. (15) The Coming, When Disaster Strikes, Genesis
(10) What's It Gonna Be, Put Your Hands Where My Eyes Could See
Answer: Busta Rhymes

20. Name these physicists who researched atomic structure for the stated number of points.
A. (5) This Danish guy used quantum mechanical principles to develop his 1913 model of the hydrogen atom.
Answer: Niels Bohr
B. (10) After his 1897 cathode ray experiments, this fellow devised a DY-NO-MITE plum pudding model of the atom.
Answer: Joseph John [J.J.] Thomson
C. (5/15) Rutherford's gold foil experiment, which found that atomic mass in concentrated in the nucleus, was actually conducted by two prominent lab assistants. 5 points for one and 15 for both, name them.
Answer: Hans Geiger and Ernest Marsden

21. Answer these questions about Kiev for 10 points each.
A. (10) It lies on this river.
Answer: Dniester
B. (10) One of the finest and most beautiful examples of early Russian-Byzantine church architecture, it was built in the 11th century and has a nave, four aisles, and five domes.
Answer: Cathedral of Saint Sophia
C. (10) Close to the Cathedral of Saint Sophia is this Baroque church, designed by Bartolomeo Restrelli in the mid 18th century.
Answer: Church of St. Andrew

22. Identify the following works of E.M. Forster given minor characters 15 each. If you need major characters, you will receive 10.
A. (15) Ronny Heaslop, Professor Godbole
(10) Cyril Fielding, Adela Quested
Answer: _A Passage to India_
B. (15) Caroline Abbott, Gino Carella
(10) Harriet Herriton
Answer: _Where Angels Fear to Tread_

23. For 10 points each, answer the following about electronic music.
A. (10) The current range of electronic instruments started in the 1980's. Types included the Yamaha DX and the Casio CZ.
Answer: synthesizers
B. (10) Created by Lee De Forest, the main use of this device is in radio technology. An improvement on the electronic valve this device can produce sounds through a process known as heterodyning
Answer: vacuum tube
Accept: triode
C. (10) The oldest electronic music device was this instrument used for the scientific analysis of sound. The device analyzed combinations of tones using electro-magnetically vibrating metal tines and glass or metal spheres.
Answer: Helmholtz resonator

24. For 10 points each, name these surrealists from works.
A. (10) _Arnheim's Domain, Golconde_
Answer: Rene Magritte
B. (10) _The Entire City, The Kiss, The Beautiful Season_
Answer: Max Ernst
C. (10) _Compass 1920-1976, Sade, Une Cathedrale_
Answer: Man Ray

25. Answer the following questions about rebellions in the United States.
A. (10) This rebellion in the Great Dismal Swamp consisted of about 40 slaves, most on horseback, who killed at least 55 people.
Answer: Nat Turner's rebellion
B. (10) This rebellion took place in Western Pennsylvania over the excise tax. George Washington sent 12,000 troops to the area to put it down.
Answer: Whiskey Rebellion
C. (10) Inspired by a slave uprising in Haiti, this rebellion took place in Henrico County, Virginia, in 1800. It failed because a thunderstorm the night before made the roads impassable.
Answer: Gabriel's Rebellion

26. Name these Jewish holidays for 10 points each.
A. (10) The Haggadah is read during this holiday, which tells the story of the exodus from Egypt.
Answer: Passover
B. (10) This festival commemorating the wandering in the desert and the final harvest occurs 5 days after Yom Kippur.
Answer: Sukkot
C. (10) This holiday commemorating when the first fruits were harvested and brought to the temple and the giving of the Torah at Mount Sinai occurs 49 days after the 2nd day of Passover.
Answer: Shavu'ot