2002 Martin Luther King Jr. Memorial Tournament
University of Michigan/Duke University
Tossups by Chicago A (Ed Cohn)

1. In this book, Cass Mastern, the narrator's great-grandfather, was so ashamed to have committed adultery that he sought out a fatal wound in the Civil War. Mastern was the subject of the doctoral dissertation begun by the narrator, who fell in love with Kate Stanton, dropped out of grad school to become a reporter, and chronicled the rise of a demagogic political boss named Willie Stark. For 10 points – identify this novel about Jack Burden, by Robert Penn Warren.
Answer: **All the King's Men**

2. Using the Gibbs distribution, this quantity is found to equal minus T log Z, where T is the temperature and Z the partition function. It is a function of volume and temperature, and its negative partial derivatives with respect to these variables are pressure and entropy, respectively. The work done on a body in a reversible isothermal process equals the change in this quantity. For 10 points – what is this thermodynamic quantity named for a German physicist?
Answer: **Helmholtz free energy**

AZAHIAH: az-a-hi-ah
3. Her name is thought to be a pun: literally it means, "Where is the Prince?" a reference to Baal, but with different vowels it can mean "dung," also a reference to Baal. Active during the reigns of her sons Azahiah and Jehoram, she was killed by order of Jehu, who overthrew the dynasty of her husband, Ahab. For 10 points – identify this Old Testament princess of Tyre who has lent her name to any wicked, shameless woman.
Answer: **Jezebel**

4. *The Onion* recently said that following his book's precepts is not a good way to pick up women. He postulates that State is a living entity whose purpose is the maximization of power and that conflict is the normal international condition. He holds Napoleon as an example of the genius that can overcome the friction of war. For 10 points – identify this author of the treatise *On War*, known for asserting "War is a mere continuation of policy by other means."
Answer: Carl Philipp Gottlieb von **Clausewitz**

5. The 96-mile-long Maah Daah Hey Trail connects this park's northern and southern portions. The man it is named for first came to the area in 1883 to hunt bison, and soon started two ranches there, including the Elkhorn. This North Dakota park was originally proposed around 1920, but the bill finally creating it was not signed until 1946. For 10 points – what is this park named for the 26th U.S. President?
Answer: **Theodore Roosevelt** National Park

6. "Mother Goose" and "Cheap Day Return" are two of this concept album's more tangential songs. In reviewing it, one magazine exclaimed, "Good heavens, now Ian Anderson wants us to think!" "Hymn 43" and "Locomotive Breath" are among its better-known songs. For 10 points – identify this diatribe on organized religion whose title character is a snot-nosed, lecherous tramp, a work by Jethro Tull.
Answer: **Aqualung**

ONDAATJE: on-DAHT-jay
7. His first novel tells the story of trumpet player Buddy Bolden in turn-of-the-century New Orleans. His novel *In the Skin of a Lion*, set in Canada, introduced the character Caravaggio, who also appears in his best-known book. His most recent novel, *Anil's Ghost*, is set in his native Sri Lanka. For 10 points – identify this author of *The English Patient*.
Answer: Michael **Ondaatje**

8. The son and namesake of Warren Harding's Agriculture Secretary, he spent his final years on his farm, trying to develop "the perfect chicken, which would lay the perfect egg." He served as Commerce Secretary under Truman and as Agriculture Secretary under F.D.R., who dumped him as vice president in 1944. For 10 points – identify this Iowa politician who ran as the Progressive Party presidential candidate in 1948.
Answer: Henry Agard **Wallace**

9. The modular group denoted by this letter can be expressed as the set of 2-by-2 matrices with integer entries and determinant one. Its distribution gives the waiting time between Poisson-distributed events. The symbol for the Euler-Mascheroni constant, it also names the function that is a generalization of the factorial. For 10 points – identify this third Greek letter.
Answer: **gamma**

10. He studied music with the mother-in-law of Verlaine, whose poems helped inspire him, and played piano for Tchaikovsky's patron, Madame von Meck. He made allusions to ragtime and Wagner in "Golliwog's Cakewalk," part of *The Children's Corner*, and used a Mallarmé poem as the basis for *Prelude to the Afternoon of a Faun*. For 10 points – identify this French composer of *La mer* and "Clair de lune."
Answer: (Achille-)Claude **Debussy**

11. Dupruit's original formulation of this concept assumed that utility was measurable, and it was introduced in analyzing the benefits of public works projects. If the marginal utility of money is constant, then this can be represented by an approximately triangular area under the consumer's demand curve. For 10 points – what is the term for the difference between what a consumer actually pays and the most the consumer is willing to pay for an item?
Answer: **consumer's surplus**

12. Its eponymous figure's paradox, also known as the paradox of inquiry, states that it is pointless to seek to inquire into any subject. This dialogue also asserts that it is psychologically impossible for people to desire bad things, seeks to define the difference between opinion and true knowledge, and asserts that knowledge results from recollection. For 10 points – identify this Platonic dialogue in which Socrates helps a slave "recollect" geometry.
Answer: **Meno**

13. It begins with Sun Wukong's birth from a rock, and discusses his study of magic and his defiance of the Great Jade Emperor. Loosely based on the life of Xuan Zang, the most definitive version of the story was written by Wu Ch'eng-en, and features the monk Tripitaka. For 10 points – identify this Chinese classic about Tripitaka's travels to India with the Monkey King.
Answer: **Xi You Ji**
English: **Journey to the West**
Prompt on: **Monkey** early

14. An example accounts for the 14% carrier rate for sickle-cell anemia in Africa. In general, it refers to a situation in which two alleles and the corresponding phenotypes are maintained in a population because individuals with both alleles are selected preferentially to those with only one. In the case of sickle-cell anemia, it takes the form of a resistance to malaria conferred upon carriers of both alleles. For 10 points – what is this type of advantage in which a mixture of alleles is preferred?
Answer: **heterozygote advantage**
Accept: **balancing selection** until "advantage"

15. Inmates at the Women's Prison of Saint-Lazare helped inspire some of its best-known works, providing free models, such as nursing women. *Blind Man's Meal* and *Crouching Woman* portrayed old or sick people, like many of its paintings, and it began when the death of Charles Casagemas plunged the artist into depression. For 10 points – identify this period, whose best known works include *The Old Guitarist*, a famous part of the career of Picasso.
Answer: **Blue Period**
Prompt on: **Picasso**

MODIN: mo-DEEN
16. Originating around the city of Modin, they oversaw the only period in Jewish history that involved forced conversion. Some attribute their fall to God's anger when they claimed the title "king," while others focus on the strength of the Romans and note that their revolt against Antiochus was as much a civil war as a rebellion. For 10 points – identify this second-century BCE dynasty whose victory over the Syrians and rededication of the Temple is commemorated in Hannukah.
Answer: **Maccabees**
Accept: **Hasmoneans**

17. He claimed descent from the Scottish bard Thomas the Rymer through a British mercenary who moved east, and his poetry was influenced by Byron. His poems included "The Angel," "The Demon," and "A Dream" – whose central figure dies a death similar to the author's. But he is better known for a prose work whose sections include "Taman", "Princess Mary", and "The Fatalist." For 10 points – identify this author of *A Hero of our Time*.
Answer: Mikhail Yuryevich **Lermontov**

18. "In all modesty, this project constitutes a watershed moment in musical history," proclaims his web site – referring to his collaboration with Derek D.O.A. Allen on the rap album *Sketches of My Culture*. A former adviser to the Bill Bradley campaign, he now supports Al Sharpton for president – and threatened to leave Harvard in a dispute with President Lawrence Summers. For 10 points – identify this African-American Studies professor best known for the book *Race Matters*.
Answer: Cornel **West**

FAGUIBINE: fah-gwi-been
FOUTA DJALLON: foo-tah jahl-ohn
BENUE: bain-way
19. Lake Faguibine is the largest lake in the system called its "internal delta." Although it rises in the Fouta Djallon highlands only 150 miles from the nearest ocean, it flows 2,600 miles before emptying into that ocean. Important tributaries include the Kaduna and the Beni, and at Lokoja it is joined by its greatest tributary, the Benue. For 10 points – identify this principal river of West Africa.
Answer: **Niger** River

XOCHIQUETZAL: shok-ih-kay-tsal
TEZCATLIPOCA: tez-cat-li-poh-cah
CHALCHIUHTLICUE: chall-wee-tlee-coh
20. He and his attendants were thought to cause leprosy and rheumatism, and those who died from those illnesses were thought to receive eternal blissful life from him. Images of him are recognizable by his long fangs and large, round eyes. His first wife Xochiquetzal was abducted by Tezcatlipoca. His sister, or perhaps his second wife, was Chalchiuhtlicue, goddess of fresh water. For 10 points – identify the Aztec god of rain.
Answer: **Tlaloc**

21. They have as much sex appeal as a road accident and are disliked by the Dentrassi. Their yellow fleets hang in the air in exactly the same way that bricks don't. The best way to annoy one is to feed its grandmother to the Ravenous Bugblatter Beast of Traal, and their poetry is the third worst in the universe. For 10 points – identify these aliens who demolish the Earth to make way for a hyperspace bypass in *The Hitchhiker's Guide to the Galaxy*.
Answer: **Vogons**

PHANSIGARS: fan-si-gars
22. They followed normal occupations year-round, except in the autumn – when they disguised themselves as religious mendicants or wealthy travelers and joined roving bands. Also known as Phansigars, they existed as early as the 13th century but were immune from suppression because of their strong organization and their practice of dividing the spoils with corrupt officials. For 10 points – identify these devotees of Kali, from whom we get an English word for "bully."
Answer: **thug**s or **thugee**
Accept: **Phansigar**s early

POBEDONOSTSEV: po-be-don-ost-sev
23. An alcoholic with a paranoid fear of horses, he supposedly once saved his family by supporting the roof of the imperial train's dining car on his shoulders when it was attacked by terrorists. Like his son, he was tutored by the reactionary Konstantin Pobedonostsev, and upon taking the throne he increased censorship, created a system of "land captains," and inaugurated a period of "Counter-Reforms." For 10 points – identify this Russian tsar who succeeded Alexander II.
Answer: **Alexander III**

SUDETENLAND: soo-DAYT-en-LAHNT
24. The son of refugees from the Sudetenland, he is said to have been involved with Palestinian terrorists in the sixties but is now trusted by both sides in the Arab-Israeli conflict. He is still his country's most popular politician, despite the publication of 30-year-old photos showing him striking a policeman and his decision to support intervention in Afghanistan, angering his Green Party colleagues. For 10 points – identify the German foreign minister.
Answer: Joschka **Fischer**

25. Brooklyn's Grand Army Plaza Arch and the Minnesota State Capitol feature rare American examples. Famous ones in Europe are found on Venice's San Marco Basilica and Berlin's Brandenburg Gate. Perhaps the most famous one was found on the Mausoleum of Halicarnassus and is now in the British Museum. For 10 points – identify this Classical statuary motif, consisting of a chariot drawn by four horses.
Answer: **quadriga**
Accept: **horse-drawn chariot** or equivalents before "four"

26. This organic functional group can act as a Lewis acid, with the double bond becoming a single bond and a new bond forming between the carbon atom and a base nucleophile. The two lone electron pairs on the oxygen atom, together with the high electron density of bond electrons there, allow it to act as a weak Lewis base as well. Found in esters, aldehydes, and ketones – for 10 points – what is this functional group consisting of a carbon atom double-bonded to an oxygen atom?
Answer: **carbonyl** group
Prompt on: **keto**- group

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Bonuses by Chicago A (Ed Cohn)

1. Given a brief description of a *Fantastic Four* villain, identify the villain for 10 points each.
A. (10) Ruler of the small kingdom of Latvaria, he is a brilliant disfigured scientist who continually tries to contact his dead gypsy mother.
Answer: Doctor Victor von **Doom**
B. (10) Devourer of worlds, heralded by the Silver Surfer, he was the sole survivor of the previous universe.
Answer: **Galactus**
C. (10) Lord of the Negative Zone, his Cosmic Control Rod gives him special powers.
Answer: **Annihilus**
Prompt on: The **Living Death That Walks**

2. Identify these Edgar Allan Poe poems from lines, for 10 points each.
A. (10) And so, all the night tide, I lie down by the side/Of my darling – my darling – my life and my bride...
Answer: **Annabel Lee**
B. (10) Thy Naiad airs have brought me home/To the glory that was Greece,/And the grandeur that was Rome.
Answer: **To Helen**
C. (10) The elfin from the green grass? and from me?/ The summer dream beneath the shrubbery?
Answer: **Sonnet – To Science**

3. Identify these men running for governor of California, for 10 points each:
A. (10) This famously bland and cautious Democrat, the incumbent, is a former controller, lieutenant governor, and chief of staff to Jerry Brown.
Answer: Gray **Davis**
B. (10) This former LA mayor is running for the GOP nomination.
Answer: Richard **Riordan**
C. (10) This businessman, the son of a former U.S. Treasury Secretary, is the favorite of many conservatives.
Answer: William **Simon**

CHAETOGNATHA: kee-tog-nah-thah
4. For 10 points each, identify these phyla related to our own.
A. (10) This is the only phylum that features a water vascular system and five-fold radial symmetry. It includes sea urchins and sea cucumbers.
Answer: **Echinodermata**
B. (10) Animals in this phylum have gill slits and are sometimes merged into Chordata. The phylum includes acorn worms.
Answer: **Hemichordata**
C. (10) This deuterostome phylum, with a name meaning "bristle-jaw" consists of the arrowworms.
Answer: **Chaetognatha**

5. Otto von Bismarck fought a lot of wars. For 10 points each, identify:
A. (10) The country with which Prussia and Austria went to war in 1863, following the king's death, in a dispute over two provinces.
Answer: **Denmark**
B. (10) The July 1866 battle in which Bismarck's Prussia defeated the Austrians, leading to the annexation of new territory and the creation of a North German Confederation.
Answer: **Königgratz** or **Sadowa**
C. (10) Prussia then went to war with France after tampering from a telegram from this city.
Answer: **Ems**

6. Though it purports to originate with the building of Solomon's Temple, its origins are actually much more recent. Identify these things related to Freemasonry for the stated number of points.
A. (5/5) The two main rites of Freemasonry in the U.S. and U.K., one involves watching plays that illustrate moral lessons and is secular, while the other is more Christian-oriented and more participatory.
Answers: Ancient and Accepted **Scottish** Rite and **York** Rite
Prompt on: **American** Rite (for York Rite)
B. (10) This appendant group began in 19th Century New York and emphasizes fun, charity work, and fezzes.
Answer: Ancient Arabic **Order of the** Nobles of the Mystic **Shrine**
Accept: **Shriners**
C. (10) Freemasonry contains this number of degrees.
Answer: **33**

7. For 10 points each, answer these questions about Swiss cantons.
A. (10) Which canton has the largest population and shares its name with the country's largest city?
Answer: **Zürich**
B. (10) Which canton has the highest percentage of non-Swiss citizens?
Answer: **Genève**
English: **Geneva**
C. (10) Separated from Bern canton in 1978, this canton shares its name with a mountain range rich in fossils.
Answer: **Jura**

8. Identify these things related to Andy Warhol for 10 points each:
A. (10) Warhol's Manhattan loft studio from 1963 on, it was decorated entirely in silver.
Answer: The Silver **Factory**
B. (10) On the Exploding Plastic Inevitable tour, Warhol had this rock group led by Lou Reed as the auditory accompaniment.
Answer: **Velvet Underground**
Accept: **Velvets**
C. (10) The art-fashion-pop magazine founded by Warhol in 1969.
Answer: **interVIEW**

9. Identify these people and things related to Amtrak, not anthrax, for 10 points each:
A. (10) The public-transport proponent and former Massachusetts governor who is Amtrak's chairman and chief cheerleader.
Answer: Michael **Dukakis**
B. (10) Amtrak recently unveiled this route that travels at up to 150 miles per hour and had exceeded ridership expectations since September 11.
Answer: **Acela** Express
C. (5/5) The Acela Express travels along the corridor between these two cities.
Answer: **Boston** and **Washington**

10. Given the name of an inorganic compound, give the chemical formula, for 10 points each.
A. (10) Potassium sulfate
Answer: K_2SO_4
B. (10) Iron (II) perchlorate
Answer: $Fe(ClO_4)_2$
C. (10) Sodium dichromate
Answer: $Na_2Cr_2O_7$

11. For 10 points each, identify these institutions of the Mongol empire:
A. (10) This term refers to a grand assembly of the Mongols. Temujin became Genghis Khan at one in 1206.
Answer: **quriltai**
B. (10) Europe was saved from being invaded by Batu and Egypt from Hulagu by the warlords having to return to this capital city for a *quriltai*.
Answer: **Karakorum**
C. (10) This son of Genghis Khan surrounded Karakorum with walls in 1235.
Answer: **Ögödei**

12. Identify these seers from the Trojan War for 10 points each:
A. (10) When this daughter of Priam and Hecuba spurned the advances of Apollo, he cursed her with the gift of telling truthful prophecies that no one would believe.
Answer: **Cassandra**
B. (10) The brother of Cassandra, he was also a seer as his ears had been licked by snakes in a temple of Apollo. After the war, Neoptolemus gave him Andromache as a wife.
Answer: **Helenus**
C. (10) Agamemnon personally convinced this man to come to Troy as the Greeks' seer.
Answer: **Calchas**

13. Identify these classic works of social science from chapter titles for fifteen points each, or for ten points each given the author.
A. (15) A Role for History, The Priority of Paradigms
(10) Thomas Kuhn
Answer: **The Structure of Scientific Revolutions**
B. (15) Totemism as Elementary Religion, The Notion of Soul, The Positive Cult
(10) Emile Durkheim
Answer: **The Elementary Forms of Religious Life**

GRANDGOUSIER: gran-goo-syeh
14. Answer these questions about the works of a certain author for 10 points each.
A. (10) What Frenchman, who studied medicine and made public dissections, is best known for *Gargantua and Pantagruel*?
Answer: Francois **Rabelais**
B. (10) What King of Utopia and husband of Gargamelle is the father of Gargantua and the grandfather of Pantagruel?
Answer: **Grandgousier**
C. (10) What character, with a name meaning "all-action," engages in a debate with the Englishman Thaumast, who represents Thomas More?
Answer: **Panurge**

15. Identify these early American patriots for 10 points each.
A. (10) This Boston brewer organized the city's Committees of Correspondence and helped lead the Boston Tea Party.
Answer: Samuel **Adams**
B. (10) This doctor, who was killed at Bunker Hill, set Paul Revere on his midnight ride.
Answer: Joseph **Warren**
C. (10) This man, the brother of the writer Mercy Warren, was known as one of the most brilliant lawyers and orators in Boston until he got hit in the head by a British soldier and went insane.
Answer: James **Otis**

POETASTER: po-et-as-ter
16. 30-20-10. Identify the writer.
(30) He was sentenced to death after killing a man in a duel, but was released "by benefit of clergy" (or because he could write.) His plays include *The Devil is an Ass*.
(20) Shakespeare appeared as an actor in his first play, *Every Man in his Humour*, and he went on to write a sequel, *Every Man out of his Humour*.
(10) This Elizabethan playwright is best known for *The Poetaster, The Alchemist*, and *Volpone*.
Answer: Ben **Jonson**

17. 30-20-10. Identify the composer.
(30) In his 1906 work *The Unanswered Question*, a trumpet poses the "Perennial Question of Existence," and four woodwinds – the "Fighting Answerers" – fail to answer.
(20) His wife, Harmony Twichell, was his initial audience for such works as *The Holidays* Symphony.
(10) This Connecticut insurance man is best known for *Three Places in New England*.
Answer: Charles **Ives**

18. Answer these questions about Saudi Arabia, for 10 points each:
A. (10) Who is the current king of Saudi Arabia?
Answer: King **Fahd** ibn Abdul Aziz al Saud
B. (10) An Arab word literally meaning "Unitarian," this form of Sunni is the country's official Islamic sect.
Answer: **Wahhab**ism
C. (10) This investor – called the "Warren Buffett of the desert" – had his donation to the World Trade Center fund rejected by Rudy Giuliani.
Answer: Prince **Alwaleed** ibn Talal ibn Saud

19. Answer these questions about geometry, for 10 points each.
A. (10) In this two-dimensional geometry, the angle sum of a triangle is always less than 180 degrees, differing by an amount equal to the triangle's area.
Answer: **hyperbolic** geometry
Accept: **Lobachevsky-Bolyai-Gauss** geometry
B. (10) In two dimensions, there are three possible model geometries. In three dimensions, this number is somewhat larger. How many three-dimensional model geometries exist?
Answer: **8**
C. (10) One of the three-dimensional geometries, Nil, is determined by the left-invariant metric on the three-dimensional version of this group, named for a physicist better known for his uncertainty.
Answer: **Heisenberg** group

20. Given a list of four languages, identify the language that is not closely related to the other three, for 10 points each.
A. (10) Livonian, Hungarian, Finnish, Estonian
Answer: **Hungarian**
B. (10) Zulu, Swahili, Yoruba, Lingala
Answer: **Yoruba**
C. (10) Tamil, Malayalam, Telugu, Sinhalese
Answer: **Sinhalese**

21. For 10 points each, answer these questions about coincidences between Pink Floyd's "Dark Side of the Moon" and "The Wizard of Oz."
(10) What character is being introduced when "Brain Damage" plays?
Answer: **Scarecrow**
(10) What is Dorothy doing when you hear the heartbeat at the end of the album?
Answer: she has her **ear against the Tin Man**'s chest (accept reasonable equivalents)
(10) Who appears when the alarm clocks ring at the beginning of the song "Time"?
Answer: Miss Almira **Gulch**
Prompt on: **Wicked Witch** of the West

22. Identify these American writers whose works dealt with war for 10 points each.
A. (10) This Harvard-educated infantry soldier in World War II's Pacific theater became a celebrity at 25 with *The Naked and the Dead*.
Answer: Norman **Mailer**
B. (10) This infantryman in Vietnam later wrote *In the Lake of the Woods*, in which the war figures prominently, and *Going After Cacciato*.
Answer: Tim **O'Brien**
C. (10) This Illinois-born writer is best known for *From Here to Eternity* and its sequel, *The Thin Red Line*.
Answer: James **Jones**

23. Identify these things related to an Asian art form, for 10 points each:
A. (10) Sanskrit for "circle," they are representations of the universe. Not always made of sand, like Tibetan ones are, a person meditates on one by gradually focusing on the center.
Answer: **mandala**s
B. (10) The type of magical Buddhism and Hinduism with which both mandalas and Sting are associated.
Answer: **Tantrism**
C. (10) The world's largest mandala. It is a large volcanic stone pyramid on the island of Java.
Answer: **Borobudur**

24. Over the centuries, many Westerners have gone to China to try to change it. Identify these three for 10 points each:
A. (10) This Italian Jesuit, who went to Peking as a missionary in the 16th Century, introduced the Chinese to European knowledge of geography and mathematics.
Answer: Matteo **Ricci**
B. (10) This Briton actually went to China to fight in the Arrow War, but then spent even greater energy reforming the decrepit Ch'ing armies so that they could fight the T'aip'ings.
Answer: Charles George "Chinese" **Gordon**
C. (10) In the 1920s, this Russian communist, and namesake of one of the Mighty Five, simultaneously worked to build the Chinese Communist Party and with Sun Yat-sen to push him towards the left.
Answer: Mikhail **Borodin**

25. For 10 points each, answer these questions about Gnostic movements and works.
A. (10) This man sought to synthesize the ideas of previous prophets into a universal message. He ended up with a dualistic religion, which St. Augustine was an adherent at a point.
Answer: **Mani**
Accept: **Manichaeus**
B. (10) This man was the earliest Gnostic known to later Christian writers. He is best known to readers of the New Testament for trying to buy the ability to transmit the Holy Spirit.
Answer: **Simon Magus** (accept equivalents)
C. (10) This Gnostic work consists solely of 114 sayings that it attributes to Jesus.
Answer: The **Gospel of Thomas**

26. Jean-Jacques Rousseau said some wacky things. For 10 points each, answer these questions.
A. (10) In this book, he claims that those who disobey the general will be "forced to be free."
Answer: Du **Contrat social**
English: Of the **Social Contract**
B. (10) In *Of the Social Contract*, Rousseau claims that this Mediterranean island "will one day astound Europe." He later wrote a draft constitution for it.
Answer: **Corsica**
C. (10) Rousseau wrote an open letter to d'Alembert in which Rousseau criticizes the suggestion in the *Encyclopédie* that Geneva needed one of these.
Answer: a **theater**