

2000 Mad City Masters

Tossups by Shane Ewert, Gabe Lyon, Chris Idemmili (and one by Robert Whaples)

1. Kobe Bryant is not the only player to marry young, for this recently-drafted native of Minnesota married at age 16, during an illustrious career in which he led his Minneapolis high school to three state championships. He continued his success in college, where he has defied critics who labeled him too short, too fat, and too streaky to win the national championship in 1999. For 10 points—name this newest Chicago Bull, a second-round pick out of UConn at point guard.

Answer: Khalid El-Amin

2. Named after the man who developed an instrument for measuring atmospheric ozone from the ground, this unit is found by taking a column of air ten degrees by five degrees across and making a hypothetical column going up from that rectangle. Take all of the ozone in that column and at STP and measure its thickness when spread equally across the entire area. For 10 points—name one of the units just described, each of which is equivalent to 0.01 millimeters thickness.

Answer: Dobson Unit

3. Born in 1947, she moved around with her mother, her nation's ambassador to India and Nepal, before studying at Oxford. While abroad she met her future husband, Michael Aris, and returned to her homeland in 1988 to care for her mother. Since her father was president before his assassination, it is not surprising that she then became involved in national politics. In the elections of 1990, her party won a huge majority, but the results were declared invalid. For 10 points—name this 1991 laureate of the Nobel Peace Prize, a native of Myanmar.

Answer: Aung San Suu Kyi

4. She breaks her troth to Simon Andressön when she falls in love with Erlend Nikulaussön, whom she marries and lives with on his estate at Husaby. She works hard to provide an inheritance for her seven sons, especially after Erlend loses his lands through treason and his family takes refuge on the manor at Jörundgaard, which she had inherited. After Erlend's death, she enters a convent, falling victim to the Black Plague in 1349. For 10 points—identify this Norwegian namesake of a trilogy by Sigrid Undset.

Answer: Kristin Lavransdatter

5. One theory for its decline posits that an earthquake caused a nearby river to be blocked up, flooding the entire city. This contrasts with earlier theories, many of which claimed that invaders came from the northwest and wiped it out. Its most distinctive feature is the Great Bath, which is located next to a building that is thought to have been a granary. For 10 points—name this city, one of the largest in the ancient world, which had a population of over 40,000 at its peak in the Indus Valley.

Answer: Mohenjodaro

6. Immanuel Kant defined it as "man's emergence from his self-imposed nonage," where nonage is "the inability to use one's own understanding without another's guidance." Its formative influences included the Newtonian worldview, the emergence of a print culture, the stability and prosperity of Great Britain after the Glorious Revolution, and the need for reform in France after the wars of Louis XIV. For 10 points—identify the 18th-century intellectual movement associated with the French *philosophes*.

Answer: The Enlightenment

7. He graduated from Ohio State University in 1904 with a degree in electrical engineering, and in 1909 founded the Dayton Engineering Laboratories Company, which eventually merged with other companies to form General Motors. Among his inventions were the electric cash register and the electric self-starter, which was introduced for the first time in the 1912 Cadillac. For 10 points—identify the engineer whose name lives on as the co-founder of a New York City cancer research institute with Alfred P. Sloan, Jr.

Answer: Charles Franklin Kettering

8. Charles Marsden is a novelist who is reminded of his failure to come to grips with life because he is affectionately mocked. Edmund Darrell ruins his medical career, but begins a new life as a biologist in the West Indies after being cured of his love. Sam Evans is a drifter whose family's history of insanity causes his wife to have an abortion. These men all love Nina Leeds, whose first love, Gordon Shaw, died in World War I. For 10 points—this describes what Pulitzer-Prize winning play by Eugene O'Neill?

Answer: Strange Interlude

9. He is Zack De La Rocha's back up vocalist on the Rage Against the Machine song "Know Your Enemy," but is better known for his work in two other bands. Born in Ravenna, Ohio, he spent time both in the military and as a

student of design at Kendall College. From there he moved on to music, first appearing with Children of the Anachronistic Dynasty. Earlier this year, his side project, A Perfect Circle, launched its first album and toured with Nine Inch Nails. For 10 points—name this musician, a singer for Tool.

Answer: Maynard James Keenan

10. It was viewed as a backward, semi-barbaric land, since it had no *poleis* and was ruled loosely by a king whose legitimacy was assured by the acclamation of the army gathered in assembly. Nevertheless, its people were of the same stock as the Greeks and spoke a Greek dialect, and its kings claimed descent from Heracles and the royal house of Argos. For 10 points—identify the kingdom north of Thessaly which Philip V led in a series wars against Rome in the 3rd and 2nd centuries BC, with a modern capital at Skopje.

Answer: Macedonia

11. He described himself as three times homeless: A Bohemian in Austria, an Austrian among Germans, and a Jew throughout the world. He was known in his lifetime mainly as a conductor, for prior to conducting the New York Philharmonic in 1908, he was the director of the Vienna Opera, during which time he wrote eight of the type of work that he told Sibelius "must be like the world" and "must embrace everything." For 10 points—name the composer of *Songs of a Wayfarer* as well as the Titan and Resurrection Symphonies.

Answer: Gustav Mahler

12. Gutzon Borglum begins work on Mount Rushmore; Isadora Duncan dies when her scarf gets caught in a car wheel and snaps her neck; Virginia Woolf publishes *To the Lighthouse*; and the incumbent president of the United States declares with reference to the upcoming election that "I do not choose to run." For 10 points—what year is this, in which Al Jolson spoke to us in *the Jazz Singer*, Charles Lindbergh flew solo across the Atlantic, and Babe Ruth hit 60 home runs?

Answer: 1927

13. A champion rower at Cambridge, this Irish scientist believed in a unified theory of physics. After hearing a lecture by James Joule, he published "On the Dynamical Theory of Heat." He opposed geological uniformitarianism by suggesting that the earth's temperature has cooled, and in 1858 he patented the mirror galvanometer for use in a transatlantic telegraph cable. For 10 points—name this inventor of the absolute temperature scale.

Answer: William Thomson, Lord Kelvin (accept either part)

14. He was born into a wealthy landowning family in Comum, Italy, in AD 61, studied rhetoric in Rome under Quintilian, and practiced civil law like his friend Tacitus. He also pursued the *cursus honorum*, serving as praetor in 93 and consul in 100, and was a protégé of Trajan, who sent him to Asia Minor to govern the province of Bithynia-Pontus, where he died in 112. For 10 points—name the famed letter-writer who gave an eyewitness account of the AD 79 eruption of Mount Vesuvius that asphyxiated his adoptive uncle.

Answer: Pliny the Younger

15. The young stars of this film won 1967 Golden Globe Awards for Most Promising Newcomer, Male; and Most Promising Newcomer, Female. Its first spoken line is "Ladies and Gentlemen, we are about to begin our descent into Los Angeles." For 10 points—name this movie whose other quotes would include "Plastics," and "Mrs. Robinson, you're trying to seduce me . . . aren't you?"

Answer: The Graduate

16. He began his political career in 1923 with his election to the House of Commons and by 1935 was appointed Secretary of State for Foreign Affairs. He resigned to protest Chamberlain's policy of appeasement, but resumed his secretarial duties under Churchill, whom he replaced as Prime Minister in 1955. For 10 points—identify this conservative whose final resignation came in 1957, after he managed to thoroughly embarrass himself by attacking Egypt in an effort to keep open the Suez Canal.

Answer: (Robert) Anthony Eden, First Earl of Avon

17. Critics fault this work for both its shameless flattery of King James I and its notion that contemplation should be pursued not out of mere intellectual curiosity, but for its utility to civil society. Since its author believed that the exploration of new realms of knowledge would have more appeal to English political leaders than to scholars, it was originally written in English, first appearing in 1605. For 10 points—name the work that formed the first part of the projected *Instauratio Magna* by Francis Bacon.

Answer: The Advancement of Learning (De Dignitate et Augmentis Scientiarum)

18. Born in Tuscany in 1884, his earliest works were influenced by the painters of the Italian Renaissance, and, when he moved to Paris in 1906, by Toulouse-Lautrec and the Fauvists. After meeting Constantine Brancusi, he

began to carve stone heads inspired by African masks, and his continued use of this style in a series of portraits culminated in a 1918 exhibition that was closed on its first day for its open eroticism. For 10 points—name the artist notorious for his paintings of nude women with elongated bodies.

Answer: Amedeo Modigliani

19. The last name is the same. Morarji was a leader of a conservative faction of the Congress party who opposed Indira Gandhi's candidacy for Prime Minister in 1966. Kiran is the author of *Strange Happenings in the Guava Orchard*, and Kiran's mother Anita is the author of two books that have been Booker Prize finalists: *Clear Light of Day* and *In Custody*. For 10 points—give the common last name.

Answer: Desai

20. She's a nasty person and likes to do things like insulting Julie's new hat. She hates her new "dream house," and is already tired of her husband, Jorgen, who during their honeymoon completed his doctorate in medieval history and is vying for a university appointment with the alcoholic Eilert Lovborg. She proceeds to get Lovborg drunk, burn his manuscript and give him a pistol, with which he accidentally kills himself. When Judge Brack lets her know that he knows about her role in Lovborg's death, she shoots herself rather than submitting to the judge's advances. For 10 points—name this Ibsen title character.

Answer: Hedda Gabler (accept either part)

21. In 1888, Anders Jonas Angstrom demonstrated that there exist wavelengths of light within these that do not exist within sunlight, disproving the theory that it is not caused by reflections in ice crystals. Manifesting from 100 to 1000 km, this phenomenon is created when highly energetic particles from the solar wind interact with the Earth's magnetic field creating a visible discharge in the ionosphere. For 10 points—name the incredible light display, occurring above the Earth's surface in two ring-shaped zones between 60 and 75 degrees latitude centered around the North and South Pole.

Answer: The Aurora

22. The English economist Harriet Martineau nicknamed him "the cast-iron man" because he looked "as if he had never been born, and could never be extinguished." Of Irish Presbyterian descent, he first rose to fame as a senator, supporting measures which led to war with Great Britain in 1812. As Secretary of State in 1844, he signed a treaty annexing Texas, but, once again in the Senate, he opposed war with Mexico. For 10 points—name the politician who emerged to lead the states' rights insurgency in South Carolina.

Answer: John C(aldwell) Calhoun

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Bonuses by Shane Ewert, Gabe Lyon, Chris Idemmili

1. Answer the following about Roman military history, for 10 points each:

A. The first resounding Roman military success was to the north of Rome, where in 396 BC after a ten-year siege they captured this southernmost Etruscan stronghold.

Answer: Veii (VAY-ee-ee)

B. Germans ambushed and slaughtered three Roman legions at this site in AD 9.

Answer: Teutoburg Forest

C. The last action of the Jewish War was the siege of this Jewish fortress in the spring of AD 74. After it was captured by the Roman commander Flavius Silva, its defenders committed suicide.

Answer: Masada

2. Answer these questions about Maxwell's equations and their predecessors, for 10 points each:

A. The first of these equations is equivalent to which basic law of electrostatics, which states that the flux of an electric field through a closed surface is equal to $1/\epsilon_0$ (read 1 over epsilon-naught) times the charge enclosed?

Answer: Gauss's Law

B. The third equation states that the integral of the electric field around a closed curve equals the negative rate of change of the magnetic flux through a surface bounded by the curve. This is the equivalent of which law named for an English experimentalist?

Answer: Faraday's Law

C. Maxwell added his displacement current to which law named for another scientist to form the fourth equation? It states that the line integral of the magnetic field around any closed curve equals the current through the area enclosed by the curve.

Answer: Ampere's Law

3. Give the asked-for feminine or masculine form of a word, for 10 points each.

A. You may know that a caryatid is a female figure used as a supporting pillar, but what is a male figure called?

Answer: atlas or telamon (TEL-uh-mon)

B. A vampire actually denotes a male creature, so what is the proper name for a female vampire?

Answer: lamia (LAY-mee-uh)

C. A male ass or donkey is a jackass; what is the female equivalent?

Answer: jenny

4. Economists love to assign new meanings to old terms. For 10 points each—identify the word that could be easily found outside of economics, given the economists' definition for it.

A. The amount of change in purchases or production caused by a small change in price or another variable.

Answer: elasticity

B. Selling goods below cost to other nations to eliminate surpluses or offset competition.

Answer: dumping

C. The lowest portion of a business cycle before recovery.

Answer: trough

5. Identify the poet from lines, for 10 points each; or for 5 points, if you need the title of the poem.

A. (10) No, no, go not to Lethe, neither twist / Wolf's-bane, tight-rooted, for its poisonous wine; / Nor suffer thy pale forehead to be kiss'd / By nightshade, ruby grape of Proserpine;

(5) Ode on Melancholy

Answer: John Keats

B. (10) A grief without a pang, void, dark, and drear, / A stifled, drowsy, unimpassioned grief, / Which finds no natural outlet, no relief, / In word, or sigh, or tear—

(5) Dejection: An Ode

Answer: Samuel Taylor Coleridge

C. (10) "And I," he said, "the secret of their art, / When fully learned, will to the world impart; / But it needs heaven-sent moments for this skill." / This said, he left them, and returned no more.

(5) The Scholar Gypsy

Answer: Matthew Arnold

6. Identify the term from art history, for 10 points each.

A. It means "vanished" in Italian and refers to the very subtle gradations, of light and dark developed by Leonardo da Vinci to model his figures.

Answer: sfumato

B. Popularized by the Dadaists as a method for political propaganda and social criticism, it consists of an image made by combining two or more separate photographic prints.

Answer: photomontage

C. A French adaptation of the Italian for "puddle," it refers to a painting method using an opaque pigment mixing water colors with a preparation of gum.

Answer: gouache

7. Answer the following about the Mauryan Empire, for the stated number of points.

A. For 5 points—he was the first ruler of the Mauryan state, reigning from approximately 321 to 298 B.C.E.

Answer: Chandragupta Maurya

B. For 10 points—this is the dominant state that Chandragupta conquered to seize power in Northern India.

Answer: Magadha

C. For 15 points—this was the dynasty that ruled Magadha before being conquered by Maurya.

Answer: Nanda

8. Expand these abbreviations relating to computer networking:

A. For 5 points—LAN Answer: Local Area Network

B. For 10 points—PPP Answer: Point to Point Protocol

C. For 15 points—DHCP Answer: Dynamic Host Configuration Protocol

9. Jules Verne wrote *Journey to the Center of the Earth*, but—for 5 points apiece—who wrote:

A. *A Sentimental Journey Through France and Italy?*

Answer: Laurence Sterne

B. *A Journey to the Western Islands of Scotland?*

Answer: Samuel Johnson

C. *Journey to Ixtlan?*

Answer: Carlos Castaneda

D. The 1907 novel *The Longest Journey*?

Answer: E(dward) M(organ) Forster

E. The autobiographical trilogy *Twentieth Century Journey*, as well as an earlier volume, *Midcentury Journey*?

Answer: William L(awrence) Shirer

F. The French novel translated as *Journey to the End of Night*?

Answer: Louis-Ferdinand Céline (or Louis-Ferdinand Destouches)

10. Given the former name of a country, name its present-day capital, for 5 points each.

A. The Ellice Islands. Answer: Funafuti

B. Banda Oriental. Answer: Montevideo

C. The New Hebrides. Answer: Vila (VEE-luh)

D. Ubangi-Shari. Answer: Bangui (bahn-GEE)

E. The Trucial Coast. Answer: Abu Dhabi

F. The Friendly Islands. Answer: Nuku'alofa

11. 30-20-10. Name the athlete.

A. It was fitting that the announcement of his retirement in 1997 came the night after that of his countryman Boris Becker, since he played his entire career in Becker's shadow.

B. His most successful year in doubles competition was 1992, when he won Wimbledon with John McEnroe and the Olympics with Becker.

C. He is best remembered for beating Jim Courier, Stephan Edberg, and Becker in consecutive rounds to take the title at the All England Club in 1991.

Answer: Michael Stich

12. Answer the following about the Kennedy administration:

A. For 5 points each—name both JFK's secretary of state and his secretary of defense.

Answer: (David) Dean Rusk (State) and Robert (Strange) McNamara (Defense)

B. For 10 points—this dean of Harvard College became Kennedy's security advisor; his deputy was MIT economist Walt W. Rostow.

Answer: McGeorge Bundy

C. For 10 points—journalist David Halberstam used this phrase to describe these New Frontiersmen, all of whom shared a hard-line view of the Soviet Union and the belief that American security depended on superior force.

Answer: "the best and the brightest"

13. How well do you know your chromatic dragons? Give the breath weapon of the following dragons as described in *Dungeons & Dragons*, for 5 points each, or 30 for all 5.

- A. Blue Answer: Lightning
- B. Red Answer: Fire
- C. Green Answer: Poisonous Chlorine Gas (accept poison or chlorine)
- D. Black Answer: Acid
- E. White Answer: Frost

14. Name the building from a description of its religious significance, for 10 points each.

- A. Legend has it that its grid-like plan was meant to symbolize the gridiron on which St. Lawrence was martyred.
Answer: El Escorial
- B. An expression of purity and dignity meant to be seen only from the outside, this greatest of all Shinto shrines was rebuilt for the 60th time in 1973.
Answer: Ise (EE-say) Shrine
- C. Originally dedicated by Asoka and completed in the first century AD, this greatest constructed monument of early Buddhism consists of a narrow, railed walk around a solid dome, which rises 50 feet above the ground.
Answer: Great Stupa at Sanchi

15. For 10 points apiece—name these basic electronic components of an LRC circuit:

- A. In an AC circuit, its impedance is proportional to the frequency of the current and is given by the formula $L * w$ where w is the frequency of the current. The voltage across it leads the current by 90 degrees on a phasor diagram.
Answer: inductor
- B. In an AC circuit, its impedance is inversely proportional to the frequency of the current and the voltage across it lags the current by 90 degrees on a phasor diagram.
Answer: capacitor
- C. Its impedance does not rely on the frequency of the current and the voltage across it is in phase with the current.
Answer: resistor

16. Name the ancient Greek poet, for 10 points apiece.

- A. His 300 extant lines of poetry include an account of his legislation and a defense of his actions as archon of Athens.
Answer: Solon
- B. This contemporary of Sappho and native of Lesbos led the aristocrats exiled by Pittacus, the tyrant he loved to abuse in his poetry.
Answer: Alcaeus (ahl-SEE-us)
- C. This Theban celebrated for his elegant *epinicia* was also known as the Dircaean Swan.
Answer: Pindar

17. Prove that John Cage is old hat by naming the following avant-garde composers, for 10 points each:

- A. Author of the pamphlet *Schoenberg is Dead*, he has been generously subsidized by the French government as the head of a futuristic institute where he freely carries out his experimental programs of electronic techniques with the aid of digital synthesizers and a complex set of computers capable of acoustical feedback.
Answer: Pierre Boulez
- B. His *Helicopter String Quartet* features the televised performance of four string players in four helicopters flying in the air. Since 1978, he has been working on a series of seven operas collectively titled *Light*, named after the days of the week and based on Wagner's *Ring* cycle.
Answer: Karlheinz Stockhausen
- C. This American is known for writing pieces that may play nonstop for thousands of years, and in his *Composition 1990* he starts a fire on the stage while releasing captive butterflies in the hall. Several of his works consist solely of imperious commands: "Push the piano to the wall; push it through the wall; keep pushing," or, more succinctly, *Urinate*.
Answer: LaMonte Young

18. How well do you know your Wayans? Name these members of the multitudinous showbiz family, for 10 points each:

- A. The second of 10 children, he has appeared in and written for TV and movies including *Most Wanted*, *Low Down Dirty Shame*, and *I'm Gonna Get You Sucka* where he starred as Jack Spade. He was also co-creator and host of *In Living Color*.
Answer: Keenan Ivory Wayans
- B. The fourth of 10 children, he was a cast member of *Saturday Night Live*. He starred in *Blankman*, *Major Payne*, and his own cartoon show *Waynehead*.

Answer: Damon Wayans

C. The youngest of ten, he was originally cast to play Robin in *Batman Forever*. He stars opposite his brother Shawn Wayans in *The Wayans Brothers*.

Answer: Marlon Wayans

19. Name these prominent players in American colonial intellectual history, for 10 points each.

A. Drawing heavily on the writings of James Harrington, he set forth his ideas in a document known as the *Frame of Government*, which gave him the right to create any form government he desired, while guaranteeing that settlers would enjoy liberty of conscience and due process of law.

Answer: William Penn

B. He studied classics at Yale and was a noted itinerant preacher during the Great Awakening as well as an educator of Native Americans before founding Dartmouth College in 1769.

Answer: Eleazar Wheelock

C. This noted anti-intellectual traveled along the Connecticut coast in 1742, urging people to burn books written by authors who had not experienced the "New Light" as defined by him. At night, he shrieked and laughed while dancing and stripping under the light of torches.

Answer: James Davenport

20. Identify the Spanish-language work from a brief plot description, for 10 points each; or for 5 points, if you need the author.

A. (10) Lucas is a miller who, each day, entertains the clergy and the military in the shade of his grape arbor. When Lucas and the mayor Eugenio attempt to have an affair with each other's wives, both men are rebuffed.

(5) Pedro Antonio de Alarcón.

Answer: The Three-Cornered Hat (or El sombrero de tres picos)

B. (10) While quartered in the home of farmer Pedro Crespo, the army captain Don Álvaro rapes Pedro's daughter and is sent to jail, where he is subsequently strangled. It is named for a civic officeholder.

(5) Pedro Calderón de la Barca.

Answer: The Mayor of Zalamea (or El alcalde de Zalamea)

C. (10) For raping the peasant girl Laurencia, commander Fernán Gómez is killed by one of Laurencia's fellow villagers, who are pardoned by the king after they refuse to disclose the identity of the commander's murderer.

(5) Lope de Vega.

Answer: The Sheep Well (or Fuenteovejuna)

21. Consider the following set: $\{1,6,28\}$ and answer the following, for 10 points each:

A. What is the cardinality of the set?

Answer: 3 or N3

B. What is the cardinality of the Cartesian product of the set with itself?

Answer: 9

C. What is the cardinality of the power series expansion of the set?

Answer: 8

22. Identify the ghosts from Roman mythology, for 10 points each. (Note to moderator: All answers are in nominative plural form.)

A. Roman funeral monuments frequently carry a portrait of the deceased and an inscription addressed to these spirits of the dead, whose name was derived from an archaic Latin adjective meaning "good."

Answer: manes (MAH-nays)

B. Symbolizing the house, one of these ghosts was associated with each family, and was invoked on all-important occasions of family life. They were habitually represented as dancing, curly-haired juveniles.

Answer: lares (LAH-rays)

C. These ghosts returned to earth to torment the living. To drive them from his house, the father of a family would perform a ritual in which he would arise bare-footed at midnight, snap his fingers, wash his hands three times, fill his mouth with black beans, and then toss the beans behind him.

Answer: lemures (LEM-ur-ays) or larvae (LAHR-wigh)