

2000 Mad City Masters

Tossups by Chris Goheen's Team (and a few by Robert Whaples)

1. One was a sea nymph, the daughter of Nereus and Doris, who was loved by the brutish Cyclops Polyphemus. When Polyphemus crushed her lover Acis with a boulder, she turned him into a river. For 10 points—what name did this nymph share with a statuesque young lady brought to life by Aphrodite following the prayers of the sculptor Pygmalion?

Answer: _Galatea_

2. Through the intervention of his friend, who also narrates the story, he receives a post in the remote trading station in Patusan. There he gains the respect of the people who give him the title Tuan. However, when he intervenes with the village chiefs to spare a gang of thieves who later kill several people, including his friend Dain Waris, he submits himself to the justice of chief Doramin who shoots and kills him. For 10 points—name this title character whose cowardly act as chief mate of the *Patna* haunts him throughout his entire life in a Joseph Conrad novel.

Answer: _Lord Jim_

3. Vincent D'Indy's 1896 work *Istar* and his teacher César Franck's 1885 symphonic work for piano and orchestra are written in this musical form, which can be based on melodic, harmonic or contrapuntal modifications. For 10 points—what is this compositional device used in Beethoven's "Diabelli", Brahms' "on a theme of Haydn", Elgar's "Enigma" and Bach's "Goldberg"?

Answer: _variation_s (accept _theme and variations_)

4. Reorganize the Reichsbank under Allied supervision and include transportation, excise and custom taxes as sources for reparation money. Set reparation payments at 1 billion marks the first year and increase them over four years to an annual payment of 2.5 billion marks. Evacuate the Allied occupation forces from the Ruhr area. These are terms of an agreement which went into effect in September 1924 and won its namesake the 1925 Nobel Peace Prize. For 10 points—name this plan developed by a future U.S. vice president.

Answer: _Dawes Plan_

5. This compound can react with dibasic acids or anhydrides to form polyester condensation polymers, and with terephthalic acid or its esters to produce polyester. It freezes at 8.6 degrees Fahrenheit and boils at 387.7 degrees, and is highly soluble in water. For 10 points—name this odorless, sweet-tasting, hygroscopic liquid with formula HOCH₂CH₂OH whose best known use is as radiator antifreeze and coolant.

Answer: _ethylene glycol_

6. Born January 7, 1942, he burst onto the world stage in 1970, becoming the first man ever to clean and jerk 500 pounds. He went on to set 80 world records, more than anyone else in any sport. For 10 points—name this great Soviet weightlifter.

Answer: Vasily _Alexeev_

7. After planning and leading an expedition that captured Ceuta from the Moors, he was given the title Duke of Viseu. A deeply pious man and member of the Order of Christ, he took a vow of celibacy, and built a castle at the Sacred Promontory at the Cape of St. Vincent, which turned into the city of Sagres. For 10 points—name this fourth son of King Joao I, whose mission to send men south of Cape Bojador met success in 1434, shortly after sailors under his direction discovered the Madeira Islands and claimed them for Portugal.

Answer: Prince Henry (the Navigator)

8. This work depicts an event in 1323, although the figures are represented in contemporary late-16th-century dress. The title figure is in the lower center of the work, surrounded by local nobility and clergy, while his soul is carried heavenward by an angel. For 10 points—name this massive painting, which fills most of one wall of the chapel of Santo Tome in Toledo [To-LAY-tho], completed in 1586 by El Greco.

Answer: The _Burial of Count Orgáz_ (or El _Entierro del Conde de Orgáz_)

9. It explores the erotic lives of several major characters and events in and around the title city before and during World War II, and its four parts were published between 1957 and 1960. For 10 points—what is the collective name for the tetralogy consisting of *Justine*, *Balthazar*, *Mountolive* and *Clea*, written by Lawrence Durrell?

Answer: The _Alexandria Quartet_

10. In 1931 a Soviet mathematician named Schnirelmann proved that 300,000 primes would suffice, a very weak attempt at solving a problem first posed in a 1742 letter written to Euler. However, the original problem remains

unsolved. For 10 points—what name is given to the number theoretic statement that any even number greater than or equal to 4 can be written as the sum of two primes?

Answer: the Goldbach conjecture

11. It settled the Northeast Boundary Dispute and granted over 7000 square miles of disputed land to the United States. It opened several waterways, including the St. Johns River, to free navigation by both countries. Although it also settled the disputed position of the U.S.-Canada border around the Great Lakes region, it said nothing about the Oregon boundary. For 10 points—name this 1842 agreement between the United States and Great Britain.

Answer: Webster-Ashburton Treaty

12. Her works often portray excessive guilt and feature psychological suspense. Many of her characters are Americans, though sometimes expatriates like herself. For 10 points—name this author whose 1950 novel *Strangers on a Train* was adapted into a film by Alfred Hitchcock, and whose 1955 work *The Talented Mr. Ripley* was remade as a movie in 1999.

Answer: Patricia Highsmith

13. Thrusting a pole of a permanent bar magnet through a coil of wire, induces an electric current in the coil; the current in turn sets up a magnetic field around the coil, making it a magnet. Because like magnetic poles repel each other, when the north pole of the bar magnet is approaching the coil, the induced current flows in such a way as to make the side of the coil nearest the pole of the bar magnet itself a north pole to oppose the approaching bar magnet. Upon withdrawing the bar magnet from the coil, the induced current reverses itself, and the near side of the coil becomes a south pole to produce an attracting force on the receding bar magnet. For 10 points—which law of electromagnetism, deduced by a Russian physicist in 1834, thus states that an induced electric current flows in a direction such that the current opposes the change that induced it?

Answer: Lenz's law

14. They consist of nine small islands, but are named for the two largest. Probably first settled by Basques, they were colonized by France in 1604, then held alternately by the British and French from 1713 until they were ultimately restored to France in 1814. For 10 points—name this French territory in the Gulf of St. Lawrence, just south of Newfoundland, a source of fishing rights disputes between France and Canada since the 1960s.

Answer: Saint Pierre and Miquelon

15. He received his medical degree in 1885 from the University of Utrecht and spent his entire career as a professor of physiology at Leiden. He invented the string galvanometer in 1903 and used it to measure electrical potentials around the heart, the peaks and valleys of which he was able to correlate with specific heart disorders. For 10 points—name this developer of electrocardiography who was awarded the 1924 Nobel Prize in medicine and physiology.

Answer: Willem Einthoven

16. The first portrays the anguish of a shepherd forced to leave his ancestral lands. The third and seventh are singing contests between shepherds. The sixth is known as "The Song of Silenus." The fourth is often known as "Messianic" since the poet predicts a new age of peace to be ushered in by the birth of a child. For 10 points—name this collection of ten pastoral poems written between 43 and 37 BC by Virgil.

Answer: the Eclogues (or Eclogae) or the Bucolics (or Bucolica)

17. Along with anthropological archaeology and anthropological linguistics it is considered a major branch of cultural anthropology. During the 19th century, this field was historically-oriented and attempted to explain extant cultures, languages and races in terms of historical processes such as migration. In the 20th century it focused more on the comparative study of past and contemporary cultures. For 10 points—what is this scientific study of the origin and functioning of human cultures, not to be confused with the similar-sounding study of animal behavior?

Answer: ethnology (do not accept "ethology")

18. During most of his childhood he was shuttled between his birthplace on St. Joseph, Missouri and Detroit, where he began performing at the age of 14 and earned notoriety as a member of the duo Soul Intent. A protégé of Dr. Dre, his first major hit was "My Name Is" off *The Slim Shady LP*. The title of his recent release, *The Marshall Mathers LP*, which sold nearly two million copies the first week, contains his real name. For 10 points—identify this rapper whose stage name evokes a chocolate-based candy.

Answer: Eminem (prompt on Marshall "Mathers" if answered prior to that name given as a clue)

19. Males stand between 23 and 28 inches high at the shoulder and weigh 45 to 60 pounds, while females may only reach 18 inches. Possibly the oldest breed of domesticated dog, this hound's origins may be traced back to

Sumeria in 6000 BC. For 10 points—name this breed, the symbol of Southern Illinois University, which is still bred today for hunting and racing.

Answer: _saluki_

20. He commanded a squadron in the Far East at the outset of World War I. In November, 1914, he defeated the English off Coronel, but was defeated near the Falklands in December 1914 and went down with his ship. For 10 points—name this German admiral whose namesake battleship sank many British cargo ships in the South Atlantic before it was damaged by cruisers and scuttled in December 1939.

Answer: Maximilian Graf von _Spee_ (accept _Graf Spee_)

21. His primary objective was to lead theology back to the principles of the Reformation, a concept known as neo-orthodoxy. He argued that people must listen in an attitude of awe, trust and obedience to receive God's revelations. He helped found the "confessing church" and provided the theological framework for the Barmen declaration. For 10 points—name this Protestant theologian who taught at the University of Bonn until 1935, when the Nazis deported him to his native Switzerland.

Answer: Karl _Barth_

22. The worthless daydreaming slob George Newman can't keep a job for more than a few days at a time before he gets fired. Fortunately, his uncle wins a failing television station in a poker-game. George airs an array of odd-ball programs such as Stanley Spadowski's Playhouse. For 10 points—name this movie starring Victoria Jackson and Weird Al Yankovic.

Answer: UHF

2000 Mad City Masters
Bonuses by Chris Goheen's Team

1. 30-20-10-5. Name the city.

- A. Bertolt Brecht was born in this city on the Lech River, as were the two Hans Holbeins.
- B. Long an important banking center, it was the home of the wealthy Fugger family.
- C. In 1686 Holy Roman Emperor Leopold I formed a defensive alliance named for the city, and this league gave its name to a war starting in 1688.
- D. In 1555 a temporary settlement of the religious strife caused by the Reformation was made here and named the "Peace of" this city.

Answer: Augsburg

2. Identify the philosophers, for 10 points each.

- A. He was named an Italian Senator in 1910 and staunchly opposed Fascism. His great four-part work is known as the *Philosophy of the Spirit*.

Answer: Benedetto Croce

- B. He taught philosophy at Harvard from 1889-1912 and then returned to Europe. His major philosophic works include the five volumes of *The Life of Reason* and the four volumes of *The Realms of Being*.

Answer: George Santayana

- C. He promoted the concept of evolution and planned a vast ten-volume work entitled *Synthetic Philosophy* in which all phenomena are interpreted according to evolutionary progress.

Answer: Herbert Spencer

3. Answer the following about organic chemistry, for 10 points per answer:

- A. Organic rings normally consist of bonded carbon atoms. What name is given to compounds with rings having at least one other element in the ring structure?

Answer: heterocyclic

- B. Heterocyclic compounds which include an oxygen atom on the ring have their names prefixed with "oxa." What two elements are found in the ring structures of heterocyclic compounds with prefixes "thia" and "aza," respectively?

Answer: sulfur and nitrogen

4. Answer these questions about a 20th-century opera:

- A. For 5 points—what is this 1945 opera set in a fishing village on the east coast of England around 1830, with a plot concerning the tragedy of a fisherman whose apprentice dies at sea and the reaction of the townspeople?

Answer: Peter Grimes

- B. For 5 points—who wrote the music for *Peter Grimes*?

Answer: Benjamin Britten

- C. For 10 points—who wrote the libretto for *Peter Grimes*?

Answer: Montagu Slater

- D. *Peter Grimes* was based on an 1810 poem entitled "The Borough". For 10 points—who wrote this poem?

Answer: George Crabbe

5. Identify the following Pulitzer Prize winners for fiction, on a 10-5 basis.

- A. (10) The third novel of the author's "Albany cycle" describes events of Halloween and All Saint's Day in 1938 as seen through the eyes of a former baseball player on skid row named Francis Phelan.

(5) It won the 1984 prize for William Kennedy.

Answer: Ironweed

- B. (10) A midwestern physician becomes disheartened with the state of public health care and becomes a researcher. He travels to an epidemic-ravaged island, where his wife dies and he develops a serum.

(5) Sinclair Lewis declined the 1926 prize for this work.

Answer: Arrowsmith

- C. (10) This novel describes the coming-of-age adventures of eleven-year-old Lucius Priest while traveling to Memphis with Boon Hogganbeck and Ned the coachman.

(5) William Faulkner was posthumously awarded the 1963 prize for this work.

Answer: The Reivers

6. Six Secretaries of State have become President of the United States. For 5 points each—name them.

Answer: Thomas Jefferson, James Madison, James Monroe, John Quincy Adams, Martin Van Buren, James Buchanan

7. At the 1999 World Series the All-Century Team was announced. At four positions—catcher, first base, second

base, and third base—exactly two players were chosen. For 5 points per answer—name the two players at any three of these positions. Please identify the position corresponding to each of the three pairs of answers you give.

Answer: C —Yogi Berra, Johnny Bench
1B —Lou Gehrig, Mark McGwire
2B —Rogers Hornsby, Jackie Robinson
3B —Mike Schmidt, Brooks Robinson

8. Identify the following about the island of Borneo, for 10 points each:

A. Borneo contains part or all of three countries. Name all three. (All or nothing)

Answer: Indonesia, Malaysia, Brunei

B. Name either of the two Malaysian states on Borneo.

Answer: Sarawak or Sabah

C. What name does Indonesia give to its 70% of the island of Borneo?

Answer: Kalimantan

9. In plants and animals, respiration in the presence of sufficient oxygen proceeds most efficiently via the Krebs, or citric acid, cycle. However, in the absence of oxygen, respiration must be carried out by a different pathway. For 10 points each—answer these questions:

A. What name is given to this reaction sequence, about one-twelfth as efficient at producing energy per mole of glucose oxidized as the Krebs cycle?

Answer: anaerobic glycolysis or fermentation (accept lactic acid pathway, but do not read this answer aloud if not given)

B. In animals, what compound is the end product of anaerobic glycolysis, a substance which leads to sore muscles in humans after anaerobic exercise?

Answer: lactic acid

C. In plants, anaerobic glycolysis can also produce lactic acid, but more commonly it produces what compound?

Answer: ethanol

10. Identify the artists of these works of sculpture, for 10 points each:

A. A bronze statue of David completed in the late 1420s which is now in the Museo Nazionale del Bargello in Florence.

Answer: Donatello or Danato di Niccolo

B. "In Advance of the Broken Arm," a "ready-made" consisting of a snow shovel, first exhibited in 1915 and later re-created in 1945.

Answer: Marcel Duchamp

C. The statue of Abraham Lincoln in the Lincoln Memorial.

Answer: Daniel Chester French

11. The Newbery Medal is awarded annually to the author of the most distinguished contribution to American literature for children. Several authors have won multiple Newbery medals. Identify each author on a 10-5 basis from the titles of his or her Newbery Medal winning books.

A. (10) *The View from Saturday*

(5) *From the Mixed-Up Files of Mrs. Basil E. Frankweiler*

Answer: E(laine) L(obl) Konigsburg

B. (10) *The Giver*

(5) *Number the Stars*

Answer: Lois Lowry

C. (10) *Jacob Have I Loved*

(5) *Bridge to Terabithia*

Answer: Katherine Paterson

12. Answer these questions about 20th-century French history:

A. For 5 points each—what two North African nations were created when France relinquished its colonial control in 1956?

Answer: Tunisia and Morocco

B. Around the same time Tunisia and Morocco gained independence, France was struggling with what to do with their remaining North African possession, home to almost one million colonists of European birth or descent. This led to a major constitutional crisis in France. For 5 points each—name the African nation and the year it eventually gained independence from France.

Answer: Algeria; 1962

C. The Algerian crisis prompted a new French constitution in 1958. For 5 points each—what is the name of the

French government based on this constitution, and who was the first President elected under this constitution in 1959?

Answer: the Fifth Republic; Charles De Gaulle

13. Only one director has won four Academy Awards.

A. First, for 10 points—name him.

Answer: John Ford (or Sean Aloysius O'Feeney or O'Fearná)

B. For 5 points each—name the films for which Ford won.

Answer: The Informer, The Grapes of Wrath, How Green Was My Valley, The Quiet Man

14. For 5 points each—name the constellation where each of these bright stars is found.

A. Betelgeuse

Answer: Orion or the Hunter

B. Antares

Answer: Scorpio or the Scorpion

C. Deneb

Answer: Cygnus or the Swan

D. Spica

Answer: Virgo or the Virgin or the Maiden

E. Achernar

Answer: Eridanus or the River

F. Procyon

Answer: Canis Minor or the Little Dog

15. Identify the following poems on a 10-5 basis, with a quotation from the work as the 10 point clue and the author's name for the 5 point clue.

A. (10) Turning and turning in the widening gyre / The falcon cannot hear the falconer; / Things fall apart; the center cannot hold; / Mere anarchy is loosed upon the world,

(5) William Butler Yeats

Answer: The Second Coming

B. (10) Avenge, O Lord, thy slaughtered saints, whose bones / Lie scattered on the Alpine mountains cold;

(5) John Milton

Answer: On the Late Massacre in Pie(d)mont

C. (10) Much have I traveled in the realms of gold, / And many goodly states and kingdoms seen; / Round many western islands have I been / Which bards in fealty to Apollo hold.

(5) John Keats

Answer: On First Looking into Chapman's Homer

16. *The West Wing* is one of the most critically acclaimed dramas on network television, and features an all-star cast. Identify these actors who have recurring roles on *The West Wing* on a 10-5 basis.

A. (10) He plays the President, Jed Bartlett.

(5) He was eerie presidential candidate Greg Stillson in *The Dead Zone* and played military commanders in *Apocalypse Now* and *Gettysburg*.

Answer: Martin Sheen (or Ramon Estevez)

B. (10) He is Deputy Communications Director Sam Seaborn.

(5) A member of the "brat pack" in the '80s, some of his early film roles were in *St. Elmo's Fire*, *Oxford Blues* and *About Last Night*.

Answer: Rob Lowe

C. (10) She plays political consultant Mandy Hampton, who serves as Media Director in the White House staff.

(5) One of her first major roles was as Donna Hayward in *Twin Peaks: Fire Walk With Me*, but she was also the voice of Nala in both *The Lion King* and *The Lion King II*.

Answer: Moira Kelly

17. Identify these psychologists, for 10 points each:

A. She trained in Vienna before emigrating to England in 1938, where she founded and directed a clinic for child therapy. Her writings include *Normality and Pathology in Childhood*.

Answer: Anna Freud

B. Like Anna Freud, she was born in Vienna, emigrated to England and worked with children. However, she and Freud disagreed, and split the British Psychoanalytic Society into factions. Her theories divided the first year of life into two phases - the paranoid-schizoid and the depressive.

Answer: Melanie Klein

C. He was born in Frankfurt and emigrated to the U.S. in 1934. He broke with Freudian psychoanalytic tradition to focus on the effect of modern culture and society on the individual. His works include *Escape from Freedom* and *The Art of Loving*.

Answer: Erich Fromm

18. Identify the following two years on a 15-10-5 basis:

A. (15) King Hussein of Jordan was born and Edwin Arlington Robinson died. King George II of Greece was restored to the throne.

(10) Eldridge Cleaver was born and T.E. Lawrence died. Germany passed the Nuremberg laws rescinding the civil rights of its Jewish citizens.

(5) Elvis Presley was born. Wiley Post and Will Rogers died in a plane crash. Huey Long was assassinated. Italy invaded Ethiopia.

Answer: 1935

B. (15) Tennessee Williams was born and Joseph Pulitzer died. A fire at the Triangle Shirtwaist factory in New York city killed 146 workers.

(10) Gian Carlo Menotti was born and Gustav Mahler died. Hiram Bingham discovered Machu Picchu. Heike Kamerlingh-Onnes discovered superconductivity, for which he was awarded the Nobel Prize two years later.

(5) Both Ronald Reagan and Lucille Ball were born. Carry Nation died. The Supreme Court ruled that Standard Oil was a monopoly and in December Roald Amundsen first reached the South Pole.

Answer: 1911

19. For 10 points each—identify the term in biology for each of these definitions:

A. The collective term for the sepals of a flower, forming the outermost whorl of the perianth.

Answer: calyx

B. The general appearance, number, shape and size of the chromosomes in a single cell of an organism.

Answer: karyotype

C. The chemical and energy changes associated with the consumption of food and oxygen, the production of heat, and the calories used in physical activity.

Answer: metabolism

20. For 10 points each—identify these mythological hunters:

A. After he saw Artemis bathing, she changed him into a stag and he was killed by his dogs.

Answer: Acteon

B. He accidentally killed his wife Procis with a javelin while both were hunting.

Answer: Cephalus

C. She was the first to wound the Calydonian boar and was therefore awarded the skin.

Answer: Atalanta

21. For 10 points each—name these works of Elizabethan drama:

A. This Christopher Marlowe play in two parts was first performed around 1587 and details the rise of a Scythian shepherd to the throne of Persia and his subsequent downfall.

Answer: Tamburlaine the Great

B. In this revenge tale by Thomas Kyd, Hieronimo conspires to lure the villains who killed his son Horatio to a play where they are killed. He then kills himself to prevent being tortured into revealing his confederates.

Answer: The Spanish Tragedy

C. This 1598 comedy by Ben Jonson was a vehicle for studying a series of characters, each possessed of a dominant characteristic. It was followed the next year by a sequel.

Answer: Every Man in his Humour

22. 30-20-10. Give the common name for these paintings.

A. In the 1518 work by Giovanni Bazzi, or Il Sodoma, the princess stands to the left wearing a flowing red gown, while the hero sits on his horse in the center, holding a broken lance and looking down at his vanquished foe.

B. In the 1460 work of the same name by Uccello, the hero is to the right on a white steed, wearing black armor and holding an unbroken lance, while the defeated opponent occupies the left center of the work. The princess stands to the left and wears a pink and blue dress.

C. In Tintoretto's famous 1570 work, the hero again occupies the center and is on a white horse, while the princess appears to flee from the lower right. In this version, a corpse lies below the hero's horse and the contest is still in doubt. The opponent is crouched and hissing to the left with golden wings outstretched as the hero charges to drive in his lance. A radiant figure looks down from heaven in the upper center.

Answer: St. George and the Dragon